## 1

#### Interp: must no misdisclose

Viltion they did

Background pattern

Description automatically generated with low confidence

1] prep skew

Kills perdibaliyu

2] academic dishonesty

Ows exportbltiy

## 2

#### Interp – The affirmative must specify “workers” within a delimited text in the 1AC.

#### “Workers” is flexible and has too many interps– normal means shows no consensus and makes the round irresolvable since the judge doesn’t know how to compare between types of offense and OW since it’s a side constraint on decision making.

Work Smart No Date [Work Smart (job advice app; new service backed by the Trades Union Congress (TUC) and Britain's trade unions. With over 5 million members working in all sectors of our economy, their support gives us the experience and the connections to help everyone get a better working life). “Am I a worker, an employee or self-employed?”. No Date. Accessed 11/7/21. <https://worksmart.org.uk/work-rights/pay-and-contracts/contract-terminology/am-i-worker-employee-or-self-employed> //Xu]

This depends on the contractual relationship you have with your employer. The distinction is important because many important rights – such as the right to claim unfair dismissal or maternity leave – depend on being an employee. For other rights, such as the right to be paid the National Minimum Wage, you must be a worker. All employees are workers, but not all workers are employees. The third category – the genuinely self-employed – have very few employment rights. Every year court cases hang on the distinction between the three categories and unfortunately there is no clear definition. However, there is a rough rule of thumb: If your employer has to provide work for you personally, which you can't turn down, on a regular basis, says when and where the work is to be done, supplies the tools or other equipment, pays tax and National Insurance on your behalf, and can subject you to a disciplinary procedure if you don’t follow the rules or if your performance is ‘unsatisfactory’, then you are probably an employee, and have what is known as a 'contract of employment'. If you are contracted to do work personally but you are not an employee, then unless you are genuinely running your own business, freely supplying goods or services to your own customers, then you are likely to be a 'worker'. You are therefore entitled, for example, to the National Minimum Wage, holiday pay and other working time rights. If you are genuinely running your own business, meaning that you are free to decide when you work, can choose to substitute someone else to do your work instead of you, can carry out work in the manner you best see fit, make your own sickness and holiday arrangements, and pay your own tax and National Insurance, you could be a self-employed person, contracted to provide a service to the employer. Hence your contract is known as a 'contract for services'. Many people are happy to be self-employed and some occupations, such as journalism, are likely to have a high proportion of self-employed workers. However, some unscrupulous employers deliberately miscategorise individuals as self-employed to avoid tax, National Insurance Contributions and employment obligations, such as the National Minimum Wage or holiday pay. Important case law, especially the landmark Supreme Court judgement of Autoclenz Limited v Belcher [2011] UKSC 41, makes it clear that just because signed contract documentation makes it look as if someone is self-employed, that is by no means the end of the story. Employment tribunals must take into account the inequality of bargaining power between employer and employee, and must look at the whole context, not just the contract documents, to make sure the written contract document genuinely reflects what the parties intended the employment relationship to be. Working out who is an employee and who is self-employed is contentious and often unclear. If you are unsure, you should seek advice from Citizens Advice. Contact your union if you are a member, or use one of the resources on workSMART's free help page.

#### Violation – you don’t.

#### Prefer –

#### 1] Stable Advocacy – they can redefine in the 1AR to wriggle out of DA’s which kills high-quality engagement and becomes two ships passing in the night – triggers presumption since the aff wasn’t subject to well researched scrutiny. We lose access to Big Tech DA’s, Unions DA’s, basic case turns, and core process counter plans that have different definitions and 1NC pre-round prep.

#### 2] Ground – not defining hurts my strategy since they can shift out as I ask DA questions, so I err on the side of caution and read generics which get destroyed by AC frontlines.

#### 3] Real World – Policy makers will always define the entity that they are recognizing. It also means zero solvency, absent spec, governments can circumvent since there is no delineated way to enforce the aff and means their solvency can’t actualize.

#### WSpec isn’t regressive or arbitrary – its core topic lit for what happens when the aff is implemented and cannot be discounted from recognition policies that require enforcement to function.

#### Neg theory is drop the debater – a) Prep skew – aff’s infinite prep means they can frontline every shell marginally enough to be efficient at DA and skew substance enough to deflate theory and win b) 1AR Flex – It’s key to check 1ar flexibility since you can moot all 6 min of my offense and restart the debate on unpredictable layers while kicking the arguments that were abusive.

#### No RVI’s- a) chilling effect – people will be too scared to read theory because RVI’s encourage baiting theory b) clash – people go all in on theory which decks substance engagement

#### Use competing interps—either there’s a bright line which collapses, or there isn’t which causes intervention.

#### 1NC theory first a] If I was abusive it was because the 1AC was b] We have more speeches to norm over whether it’s a good idea c] 2AR answers to the 2NR counter-interp are always new, which means their interp is easier to win.

## 3

#### Hedonism collapses to moral egoism – even if pleasure is intrinsically good and motivating, it doesn’t follow that other subjects pleasure is also intrinsically good

#### 1] Non-sequitur – saying that x is good for me doesn’t entail that x is good for everybody.

#### 2] Solipsism – we can’t verify if other humans also are experiential subjects or are just fleshy objects.

#### 3] Disagreements – even if pleasure is good, humans always disagree with what is pleasurable, empirically proven by impact-calc in util debates.

#### Moral egoism means relativism which they can’t solve

#### 1] Schmagency – even if we know what is ethical, there’s no reason that we are bound to ethical behavior.

#### 2] Application – even if we agree on what is ethical, we’ll still disagree on what the best way on how to maximize ethical outcomes.

#### The solution is the sovereign – we must surrender moral judgement.

Williams Williams, Michael C. (Professor in the Graduate School of Public and International Affairs at the University of Ottawa). “Hobbes and International Relations: A Reconsideration.” *International Organization*, Volume 50, Number 2, pgs. 218-220. Spring 1996. [**https://www.jstor.org/stable/2704077**](https://www.jstor.org/stable/2704077). Cho recut from PZ

By themselves, the laws of nature are not enough, not because rational actors cannot trust each other enough to enter into a social contract but because in the condition of epistemological indeterminacy that Hobbes portrays as natural, this universality is at best a partial step. For even if all were to agree on the right to self-preservation, all need not necessarily agree on what comprised threats to that preservation, how to react to them, or how best to secure themselves against them. Conflict is not simply intrinsic to humanity's potential for aggression; nor can it be resolved directly through the utilitarian calcula- tions of competing and conflicting interests. On the contrary, Hobbes believes that the answer lies in recognizing the problem: namely, the inability to resolve objectively the problem of knowing facts and morals in any straightforward manner. Once this is recognized, the stage is set for Hobbes's solution, a solution that lies not-as Donald Hanson has argued-in a flight from politics but rather in an appeal to politics.19 Or, put another way, Hobbes tries to show how rational certainty and skepticism can be paradoxically combined into a solution for politics and a solution by politics. To escape the state of nature, individuals do not simply alienate their "right to everything" to a political authority.20 More fundamentally, what is granted to that authority is the right to decide among irresolvably contested truths: to provide the authoritative criteria for what is and thus to remove people from the state of epistemic and ethical anarchy that form the basis of the state of nature. Hobbes uses his skepticism both to show the necessity of his solution and to destroy (what he views as dogmatic) counterclaims to political authority based upon unsupportable (individual) claims to truth. In arguing against what he views as seditious individual claims against the authority of the sovereign in De Cive, Hobbes puts it in the following way: "the knowledge of good and evil belongs to each single man. In the state of nature indeed, where every man lives by equal right, and has not by any mutual pacts submitted to the command of others, we have granted this to be true; nay, [proved it] ... [But in the civil state it is false. For it was shown. . .] that the civil laws were the rules of good and evil, just and unjust, honest and dishonest; that therefore what the legislator commands, must be held for good, and what he forbids for evil. "21 Earlier in the same work, he phrased the argument even more unequivocally, noting that since "the opinions of men differ concerning meum and tuum, just and unjust, profitable and unprofitable, good and evil, honest and dishonest, and the like; which every man esteems according to his own judgment: it belongs to the same chief power to make some common rules for all men, and to declare them publicly, by which every man may know what may be called his, what another's, what just, what unjust, what honest, what dishonest, what good, what evel; that is summarily, what is to be done, what to be avoided in our common course of life." It follows that for Hobbes: "All judgment therefore, in a city, belongs to him who hath the swords; that is, to him who hath the supreme authority."22 These are the fundamental reasons why the sovereign must be unchallenge- able; to rebel is to return to the subjectively relative claim to know and the conflict that this inevitably entails. They also explain why the sovereign ultimately must control language (which defines what is) and clarify Hobbes's repeated stress on the importance of education rather than coercion as the essential element in a successful sovereign's rule.23 Interpretive dissent leads to political dissension and to conflict. In the words of Hobbes's patron, the Earl of Newcastle, "controversy Is a Civil Warr with the Pen which pulls out the sorde soon afterwards. "24

#### Outweighs util

#### 1] Solves skep

#### A] Relativism – the sovereign can arbitrate their truths as objective which secures moral certainty

#### B] Linguistic – obligations are always up to interpretation which means we can never follow them, like how the bible or constitution are heavily debated on. Surrendering judgement solves by declaring the sovereign’s interpretation as objectively true.

#### 2] Solves state of nature – infinite violence occurs over attempts to be the creator of meaning, the sovereign solves by eliminating all disagreements

#### That outweighs:

#### A] explanatory power – even if util is true and motivating, they can’t explain why we don’t follow it. Answering this negates – If we were actually obligated to util then the squo would be the best state of affairs.

#### B] hijacks lexical pre-req – even if util is true we can’t ever use it because we fear for our bodily security

#### Negate –

#### A sovereign can’t be obligated to recognize anything because they are the ones who choose what to recognize. My offense o/ws on specificity because only our fw answers the question of what a just government is. Their definition of government can’t solve skep which proves it isn’t capable of being just.

## 4

#### SCOTUS’s decision on *Roe v. Wade* hinges on Roberts’ political capital.

Robinson ’21 (Kimberly; reporter for Bloomberg Law; 6-18-2021; “Barrett Channels Roberts’ ‘Go-Slow’ Approach in Landmark Cases”; Bloomberg Law; https://news.bloomberglaw.com/us-law-week/barrett-channels-roberts-go-slow-approach-in-landmark-cases; Accessed: 10-1-2021; AU)

The U.S. Supreme **Court’s** newest justice is showing signs that she’s more **aligned with** John **Roberts** and Brett Kavanaugh **in the center** than she is with her other conservative colleagues, **refusing to support** broad **rulings that** could **shake** the **court’s credibility**. Amy Coney Barrett is “starting to show her stripes” as a moderate who prefers small movements in the law, not huge shifts, South Texas College of Law Houston professor Josh Blackman said. The justices handed down victories to both liberals and conservatives on Thursday saving the Affordable Care Act again but siding with a religious group in the latest battle over LGBT protections. **Roberts**, the chief justice, is viewed as an **institutionalist** **who wants to conserve** the public’s **confidence** in the court. So far, he **favors incremental shifts** in the law. “That’s been one of the Chief’s primary goals all along,” said Case Western Reserve law professor Jonathan Adler. He recently gained an **ally in Kavanaugh** in this pursuit, **and** it appears **Barrett** may join their ranks. The court as a whole has has largely agreed in cases this year. The unanimous decision in the LGBT case was the 25th time the justices were unanimous in 41 rulings so far this term. There are 15 to go in coming days. But the **big test** for Barrett **will be** next term starting in October when the justices will tackle hot-button issues like guns, **abortion**, and possibly affirmative action. “It is a very conservative Court, even if we will only get glimpses of it this year,” said UC Berkeley law school Dean Erwin Chemerinsky. Kicking the Can Both the **A**ffordable **C**are **A**ct **and LGBT** rulings **were** “very, very **narrow**,” Georgia State law professor EricSegall said. In the Obamacare case, California v. Texas, the 7-2 majority handed down a procedural ruling to avoid undoing the landmark 2010 law. The justices said red states led by Texas didn’t have a legal basis—or standing—to challenge it. Only Justices Samuel Alito and Neil Gorsuch would have voted to gut the act, long a priority of Republicans. The LGBT ruling, while unanimous in its outcome, was splintered in its reasoning. Hiding under the 9-0 breakdown was a dispute about whether to overturn the court’s divisive ruling in Employment Division v. Smith, which sparked the passage of the bipartisan Religious Freedom Protection Act and mini state versions across the country. The court in Smith refused to require an exception from Oregon’s prohibition on peyote, saying religious objectors don’t get a free pass on “generally applicable” laws. On opposite ends in the court’s LGBT ruling were the liberal justices—Stephen Breyer, Sonia Sotomayor, and Elena Kagan—along with Roberts, who wanted to uphold the court’s precedent in Smith, and the court’s most conservative members—Clarence Thomas, Alito, and Gorsuch—who wanted it overruled once and for all. In **the middle** was Barrett, joined by Kavanaugh, who acknowledged Smith‘s shortcomings but was **concerned with** the **fallout** should the court overrule it. “Yet what should replace Smith?” Barrett asked in a short concurrence. Both cases were a punt, Blackman said, with the issues likely to return to the court at some point in the future. End of the World But the ACA and LGBT cases, along with the extraordinary agreement all term, suggests a **majority** of the justices **don’t think** **it’s** the right **time to make major changes** in the law. “In the throes of everything"—the pandemic, Barrett’s first term, Kavanaugh’s biting confirmation, calls for Breyer to retire, and the caustic 2020 presidential election—"they didn’t want to shock the world this year,” Segall said. “**Preserving** the **court’s** own political **capital** **is** incredibly **important** to the justices because they know their only capital is the confidence of the American people,” he added. **Adler said the court has developed a sort of 3-3-3 split**—that is, three liberals, three conservative justices willing to chuck precedents they don’t agree with, and three conservative justices hesitant to overturn cases they may disagree with. **Roberts, Kavanaugh, and now, apparently, Barrett make up that last group.** Adler said that split will create some interesting pressures for the three justices in the middle next term, when—as Segall said—"the world will end.” **The end of the world was a reference—in part—to the court’s abortion case, which could call into question the landmark ruling in Roe v. Wade and later cases**.

#### The court’s center is skeptical of overturning precedent in Roe, but the path’s narrow.

Feldman ‘9/2 (Noah; Bloomberg Opinion columnist and host of the podcast “Deep Background.” He is a professor of law at Harvard University and was a clerk to U.S. Supreme Court Justice David Souter.; “Is the Supreme Court Ready to Overturn Roe? We Don’t Know”; 9/2/21; Bloomberg; https://www.bloomberg.com/opinion/articles/2021-09-02/supreme-court-ruling-on-texas-abortion-law-isn-t-death-knell-for-roe; Accessed 9/17/21]

Every nonlawyer on the planet — and no doubt a few lawyers, too — is likely to read this outcome as prefiguring a 5-to-4 vote to overturn Roe v. Wade, the 1973 precedent that made abortion a constitutional right. Later this year, **the court will address** a Mississippi anti-**abortion law** that lacks the cleverly diabolical enforcement mechanism of the Texas law but is equally unconstitutional. Indeed, the day after the law went into effect and before the Supreme Court ruled, many non-lawyers who were so unfamiliar with court procedures that they didn’t know it would eventually issue a ruling on the Texas law had already concluded that they knew how the upcoming Mississippi case would come out. That’s a possible interpretation of the latest opinion, to be sure. But the **opinion** for the five conservatives **explicitly denied** it. “We stress,” said the justices, “that we do not purport **to resolve** definitively any jurisdictional or **substantive claim** in the applicants’ lawsuit.” That’s lawyer-speak for **saying** both that the **law could** still **be unconstitutional** and that there might still be some procedural way to block its operation. For good measure, the opinion said the challengers “have raised serious questions regarding the constitutionality of the Texas law.” These **formulations indicate** that at least **some** of the five **conservatives** who joined it wanted to take pains **not to** **send** the **message** **that Roe** v. Wade **is sure to be overturned**. What is less clear is whether anyone on the political battlefield wants to hear that message. The pro-choice camp will doubtless spend the months until the court term ends in June whipping up public sentiment, either in the hopes of changing the outcome or turning any decision overturning Roe into the impetus for packing the court or producing a heavy Democratic turnout in the 2022 midterm elections. The pro-life camp has an equal interest in making the overturning of Roe seem inevitable. Consequently, neither side cares much for dispassionate analysis. But the fact remains that the majority in the Texas ruling did not address the underlying issues, so it would be premature to predict the outcome in the Mississippi case based on it. Taken strictly on its own terms, the **opinion** made a point that **is incorrect** in my view, **but** that is **legally plausible**. That is that there’s no clear precedent for courts to block in advance the operation of a law that creates a civil penalty — not a criminal violation — to be applied by the courts after private lawsuits by private parties. Ordinarily, when a criminal law is obviously unconstitutional, the courts issue an order to the state attorney general not to enforce it. Such an order would not have any effect in this case, since the Texas attorney general isn’t empowered to enforce the law.

#### Expanding Rights Protection is perceived as judicial activism – it strays from the Constitution and forces Roberts to expend court capital.

Tribe et al. ‘10 [Laurence; January 2010; Carl M. Loeb University Professor at Harvard Law School, et al.; "TOO HOT FOR COURTS TO HANDLE: FUEL TEMPERATURES, GLOBAL WARMING, AND THE POLITICAL QUESTION DOCTRINE," https://s3.us-east-2.amazonaws.com/washlegal-uploads/upload/legalstudies/workingpaper/012910Tribe\_WP.pdf/]

We can stipulate that the **Constitution’s** framers were **not driven by** the **relationships** among chemistry, temperature, combustion engines, and global climate when they **assigned** **to** the **judicial process** the task of **interpreting** and applying **rules of law**, and to the political process the mission of making the basic policy choices underlying those rules. Yet the framework established by the Constitution they promulgated, refined over time but admirably constant in this fundamental respect, wisely embodied the recognition that enacting the ground rules for the conduct of commerce in all of its manifestations—including designing incentives for innovation and creative production (through regimes of intellectual property), establishing the metrics and units for commercial transactions (through regimes of weights and measures), and coping with the cross-boundary effects of economic activity (through the regulation of interstate and foreign commerce)—was a task quintessentially political rather than judicial in character. Yet the litigious **character of** American **society**, observed early in the republic’s history by deTocqueville, has ineluctably **drawn** American **courts**, federal as well as state, into problems within these spheres more properly and productively addressed by the legislative and executive branches. This has occurred in part because **political solutions** to complex problems of policy choice inevitably **leave some** citizens and consumers **dissatisfied** and inclined to seek judicial redress for their woes, real or imagined. And it has occurred in part because the toughest **political problems** appear on the horizon long before solutions can be identified, much less agreed upon, **leaving courts** to **fill the vacuum** that social forces abhor no less than nature itself. One can believe strongly in access to courts for the protection of judicially enforceable rights and the preservation of legal boundaries—as the authors of this WORKING PAPER do— while still deploring the perversion of the judicial process to meddle in matters of policy formation far removed from those judicially manageable realms. Indeed, the two concerns are mutually reinforcing rather than contradictory, for **courts squander** the **social and cultural capital** they need **in order to do** what may be **politically unpopular in preserving rights and protecting boundaries** when they yield to the temptation to treat lawsuits as ubiquitously useful devices for making the world a better place.

#### RTS is treated as an issue of corporate free speech - Robert’s legacy is built on its rejection - ensures sustained backlash.

Thomson-DeVeaux 18 (, A., 2018. Chief Justice Roberts Is Reshaping The First Amendment. [online] FiveThirtyEight. Available at: <https://fivethirtyeight.com/features/chief-justice-roberts-is-reshaping-the-first-amendment/> [Accessed 5 November 2021] Amelia Thomson-DeVeaux is a senior writer at FiveThirtyEight. Before joining FiveThirtyEight’s staff, she was a regular contributor to the site and a freelance writer and editor with a wide portfolio of work. Her writing has been published in a variety of outlets, including CNN, Cosmopolitan, National Journal, and New York Magazine. She is a graduate of Princeton University and holds a master's degree in religious studies from The University of Chicago. Between degrees, she was on the staff of The American Prospect and worked as a writer and editor for PRRI, a public opinion research organization in Washington, DC.)-rahulpenu

It’s been a big year for free speech at the Supreme Court. Two of the most high-profile cases argued before the court so far have revolved around free speech rights, four other cases on the docket this term involve free speech questions, and yet another case where the issue is paramount greets the court on Tuesday.

The court today is hearing arguments on whether the state of California is trampling on the free speech rights of crisis pregnancy centers — nonprofit organizations that do not perform abortions and encourage women to seek alternatives to the procedure — by requiring them to post notices explaining patients’ ability to access abortion and other medical services. In December, attorneys for a baker at Masterpiece Cakeshop in Colorado argued that a state anti-discrimination law violates his free speech rights as a self-described cake artist by requiring him to make a wedding cake for a gay couple. Last month, the justices heard oral arguments in a case about whether state laws allowing unions to require nonmembers to pay fees violate those employees’ right to free speech.

Whichever way the rulings come down this spring and summer, it’s almost certain that the winning side will include Chief Justice John Roberts, who has spent his 12-plus years at the helm of the high court quietly carving out a space as a prolific and decisive arbiter of free speech law. Supporters and critics both agree that during his tenure, the court has dramatically expanded the reach of the First Amendment by striking down a wide range of statutes for encroaching on free speech rights. And **Roberts** has **authored** more **majority** **opinions** **on** **free** **speech** than any other justice during his tenure, signaling that this is an area where he **wants** **to** **create** a **legacy**.

But just what that legacy will be is **highly** **contested**. Roberts’s admirers argue that his commitment to the First Amendment transcends ideological boundaries. But others contend that his decisions don’t protect speech across the board. Instead, they say that **Roberts** is more than willing to **allow** the government to restrict speech when it’s speech he disagrees with — meaning **free** **speech** is becoming **a** legal **tool** **that** **favors** **corporations** **over** **individuals**.

The chief justice gets to decide who writes the majority opinion in any case where he’s on the winning side, which means that Roberts is able to stake a claim over a particular area of law if he so chooses. And that seems to be what’s happening with free speech: As of the end of the 2016 term, Roberts had written 34 percent of the free speech decisions the court has handed down since he joined its ranks, and 14 percent of his majority opinions were devoted to the topic.1 Even when he’s not writing for the majority, Roberts is rarely on the losing side: Out of the 38 free speech cases we counted,2 he voted with the minority only once.

The First Amendment appears to be a topic of deep personal interest for Roberts, and he’s not commanding the majority opinion in these cases simply to reinforce earlier decisions. Roberts has presided over — and participated in — a deliberate and systematic expansion of free speech rights in the realm of campaign finance and commercial speech. The court’s determination that campaign spending limits on corporations violated free speech in the 2010 case Citizens United v. FEC was just one in a series that struck down a range of campaign finance laws on First Amendment grounds and expanded corporations’ right to speech in other venues, like drug advertising and trademark regulations.

According to legal experts, these rulings represent a clear and unprecedented reversal of previous Supreme Court interpretations of the First Amendment, particularly with regard to corporations. Those interpretations began taking shape early in the last century, as the court only began to strike down federal statutes for abridging free speech after World War I. As it did so, it at first explicitly rejected the idea that commercial speech was constitutionally protected. In the 1970s and ’80s, the justices walked this decision back somewhat as it related to certain types of ads, but they continued to maintain that advertising remained categorically different from other kinds of speech, especially when it was presenting inaccurate information.

At the same time, the justices issued groundbreaking rulings that protected the speech of unpopular individuals and groups against government censorship. It was these cases, which involved government attempts to quash union picketing, student protests of the Vietnam war, flag-burning and Nazi protests, that established free speech as an essential protection for people with minority opinions who were in danger of being silenced by the majority.

This is decidedly not the principle that the Roberts court has embraced with its rulings on campaign finance and commercial speech. Starting in the 1970s, campaign finance laws restricting the flow of money into politicians’ coffers aimed to make space for more voices in the political sphere by preventing the wealthy from buying influence. But in the Citizens United case, the court ruled that the government couldn’t restrict the free speech rights of corporations simply because they were corporations — even if citizens with fewer financial resources were less able to command the attention of their elected officials as a result.

Although the Roberts court seems to be interpreting free speech in a new way with these decisions, some historians say that free speech has always been ideologically flexible. According to Laura Weinrib, a historian and professor of law at the University of Chicago, corporate titans like the Ford Motor Company were part of the early push for broader **free** **speech** **protections** precisely because they recognized the power of the First Amendment for **advancing** **their** **own** **causes**, while organizations like the ACLU strategically accepted a “neutral” vision of free speech that **protected** the strong (**companies** like Ford) as well as the weak (union **workers** **seeking** the **right to strike**) in order to secure early victories for **labor** **rights**. Those twin forces helped **pave** the **way** **for** **today’s** understanding of **free** **speech** **under** the **Roberts** court.

It’s that question of what free speech protections should do — and whether it’s acceptable to muzzle stronger voices if they’re drowning out weak or unpopular opponents — that may help explain the Roberts court’s **rightward** **turn** **on** **corporate** **speech**.

Burt Neuborne, a law professor at New York University and a former legal director of the ACLU, said that the liberal justices are willing to tolerate some restrictions on speech because they see them as necessary to build a fair society. “In this view, you can, for example, limit free speech when it threatens our democracy,” Neuborne said. The **conservative** **justices**, on the other hand, tend to **view** **free** **speech** **itself** **as** the **goal**. “They don’t care what happens afterward or who they’re affecting — they just **want** **to** **get** the **gov**ernment **out** **of** the business of **meddling** with speech,” he said.

This explanation is complicated, though, by the fact the Roberts court — and Roberts himself — has painted a muddier picture of other speech limits. Roberts authored opinions striking down a civil judgment holding the Westboro Baptist Church liable for damages resulting from church members picketing outside a soldier’s funeral, and a law prohibiting the distribution of videos showing animal cruelty. Those rulings are clearly in line with previous ones permitting flag-burning and Nazi protests. But Roberts also issued decisions or signed onto rulings that allowed the government to restrict the speech of students, even when they’re off school property, and limit the expression of public employees in a variety of contexts.

There’s disagreement about whether the Roberts court, by upholding these government restrictions on speech, is undermining its reputation as a court dedicated to a broad view of free speech. “It’s very much to Roberts’s credit that his Supreme Court has a genuinely expansive view of free speech that can’t be explained by political favoritism,” said Michael McConnell, a professor at Stanford Law School. He acknowledged that there are a few exceptions but said they aren’t significant or frequent enough to undermine his broader characterization of Roberts’s record.

But Genevieve Lakier, another University of Chicago law professor, disagreed. “The court does make judgments about when the government needs to restrict speech,” she said. “And in contexts like schools, or when the government says there are national security needs, it’s shockingly willing to allow those restrictions.”

Whether or not it’s fair to say that the Roberts court has been broadly protective of free speech, there’s little question that the court is reshaping it in ways that will resonate for years to come. And the cases this term could play a pivotal role in defining and clarifying that legacy — especially Masterpiece Cakeshop.

Neuborne predicted that the wedding cake case would be challenging for Roberts, but that either way, it would further illuminate his stance on free speech. “This case could have serious ramifications for nondiscrimination law,” Neuborne said. “But there is a free speech claim involved, so we’ll see how much of an absolutist Roberts is willing to be.”

#### Legal Abortion key to Fetal Tissue research that creates treatments and vaccines for disease

LRM 19 Medicine, The Lancet Respiratory. "Fetal tissue research: focus on the science and not the politics." (2019): 639. (ranked as the number one journal in the fields of critical care and respiratory medicine)//Found by JM + BUBU//Re-cut by Elmer

**Stem cell** therapy **research** in lung disease is still at early stages, but the research output is **increasing** and the area is a **promising** one. However, there are **limits** to the use of MSC and other adult multipotent stem cells, because **substantial numbers** are **required for therapeutic effects**. The cells also have a shorter replicative lifespan and can only make a restricted number of specialised cell types that are specific for their organ of origin. **Fetal tissue**, by contrast, provides cell lines that grow rapidly, are able to **easily differentiate** into multiple cell types, and are **less likely to be rejected** by the body. In the future, fetal tissue might be replaced in certain areas of research with the use of induced pluripotent stem cells and organoids, which are human-cell cultures that can be crafted to replicate an organ. However, in areas such as fetal development, a suitable replacement to fetal tissue is unlikely to be found. Although research into fetal tissue alternatives is worthwhile, it will take time and until then, the use of fetal tissue is **essential** so that **research efforts**, which are crucial for the development of new therapeutic treatments in often difficult-to-treat lung diseases, are not severely hampered. And those in the field need to ensure their voices are heard. Indeed, the American Thoracic Society released a statement the day after the Trump administration announcement saying that “Scientific research with fetal tissue is **vital for** the **development of new treatments for** many **deadly** **diseases** and conditions, such as cystic fibrosis and acute lung injury. **There are no alternative research models that can replace all fetal tissue research”.** Fetal tissue has been a **key** **part of** the development of multiple **vaccines**, **treatments** for cystic fibrosis, and ongoing research into cancer immunotherapy. The major objection to fetal tissue research is that the **source of** the **fetal tissue is** **mainly from** **elective abortions**. However, there is no suggestion that the number of abortions will decrease as a result of removing funding for fetal tissue research. **Abortion is still legal** in all 50 states in the USA and fetal tissue would otherwise be discarded. **Fetal tissue research**, in fact, holds the **potential to save lives** through the development of new treatments and vaccines. Politicising scientific research in this way means denying hope to millions of patients with life-limiting diseases.

#### Diseases cause Extinction

Bar-Yam 16 Yaneer Bar-Yam 7-3-2016 “Transition to extinction: Pandemics in a connected world” <http://necsi.edu/research/social/pandemics/transition> (Professor and President, New England Complex System Institute; PhD in Physics, MIT)//Elmer

Watch as one of the more aggressive—brighter red — strains rapidly expands. After a time it goes extinct leaving a black region. Why does it go extinct? The answer is that it spreads so rapidly that it kills the hosts around it. Without new hosts to infect it then dies out itself. That the rapidly spreading pathogens die out has important implications for evolutionary research which we have talked about elsewhere [1–7]. In the research I want to discuss here, what we were interested in is the effect of adding long range transportation [8]. This includes natural means of dispersal as well as unintentional dispersal by humans, like adding airplane routes, which is being done by real world airlines (Figure 2). When we introduce long range transportation into the model, the success of more aggressive strains changes. They can use the long range transportation to find new hosts and escape local extinction. Figure 3 shows that the more transportation routes introduced into the model, the more higher aggressive pathogens are able to survive and spread. As we add more long range transportation, there is a critical point at which pathogens become so aggressive that the entire host population dies. The pathogens die at the same time, but that is not exactly a consolation to the hosts. We call this the phase transition to extinction (Figure 4). With increasing levels of global transportation, human civilization may be approaching such a critical threshold. In the paper we wrote in 2006 about the dangers of global transportation for pathogen evolution and pandemics [8], we mentioned the risk from Ebola. Ebola is a horrendous disease that was present only in isolated villages in Africa. It was far away from the rest of the world only because of that isolation. Since Africa was developing, it was only a matter of time before it reached population centers and airports. While the model is about evolution, it is really about which pathogens will be found in a system that is highly connected, and Ebola can spread in a highly connected world. The traditional approach to public health uses historical evidence analyzed statistically to assess the potential impacts of a disease. As a result, many were surprised by the spread of Ebola through West Africa in 2014. As the connectivity of the world increases, past experience is not a good guide to future events. A key point about the phase transition to extinction is its suddenness. Even a system that seems stable, can be destabilized by a few more long-range connections, and connectivity is continuing to increase. So how close are we to the tipping point? We don’t know but it would be good to find out before it happens. While Ebola ravaged three countries in West Africa, it only resulted in a handful of cases outside that region. One possible reason is that many of the airlines that fly to west Africa stopped or reduced flights during the epidemic [9]. In the absence of a clear connection, public health authorities who downplayed the dangers of the epidemic spreading to the West might seem to be vindicated. As with the choice of airlines to stop flying to west Africa, our analysis didn’t take into consideration how people respond to epidemics. It does tell us what the outcome will be unless we respond fast enough and well enough to stop the spread of future diseases, which may not be the same as the ones we saw in the past. As the world becomes more connected, the dangers increase. Are people in western countries safe because of higher quality health systems? Countries like the U.S. have highly skewed networks of social interactions with some very highly connected individuals that can be “superspreaders.” The chances of such an individual becoming infected may be low but events like a mass outbreak pose a much greater risk if they do happen. If a sick food service worker in an airport infects 100 passengers, or a contagion event happens in mass transportation, an outbreak could very well prove unstoppable.

## 5

#### Reasonability on 1AR shells – 1AR theory is very aff-biased because the 2AR gets to line-by-line every 2NR standard with new answers that never get responded to– reasonability checks 2AR sandbagging by preventing really abusive 1NCs while still giving the 2N a chance.

#### DTA on 1AR shells - They can blow up blippy 20 second shells in the 2AR while I have to split my time and can’t preempt 2AR spin which necessitates judge intervention and means 1AR theory is irresolvable so you shouldn’t stake the round on it.

#### RVIs on 1AR theory – 1AR being able to spend 20 seconds on a shell and still win forces the 2N to allocate at least 2:30 on the shell which means RVIs check back time skew – ows on quantifiaiblity

## Case

#### OV reject all their impacts its laundry list that makes negating impossible allowing infinite 1ar extrapolation of the aff – independently decks clash by allowing the 1ar to skirt out of any impact defense destroying any governance or future knowledge

#### Their ILO ev is about developmental SDGs which swamp environmental SDGs and create a false narrative of sustainability – multiple warrants

Jason **Hickel, 9/30** [Jason Hickel, (Jason Hickel is an anthropologist, author, and a fellow of the Royal Society of Arts.)]. "The World’s Sustainable Development Goals Aren’t Sustainable." Foreign Policy, 9/30/2021, Accessed 11-18-2021. https://foreignpolicy.com/2020/09/30/the-worlds-sustainable-development-goals-arent-sustainable/ // duongie

In 2015, the world’s governments signed on to the U.N. Sustainable Development Goals (SDGs) with a commitment to bring the global economy back into balance with the living world. Now, five years later, as the U.N. General Assembly convenes online to discuss the global ecological crisis, everyone wants to know how countries are performing. To answer this question, delegates and policymakers have referred to a metric called the SDG Index, which was developed by Jeffrey Sachs “to assess where each country stands with regard to achieving the Sustainable Development Goals.” The metric tells a very clear story. Sweden, Denmark, Finland, France, and Germany—along with most other rich Western nations—rise to the top of the rankings, giving casual observers the impression that these countries are real leaders in achieving sustainable development. There’s only one problem. Despite its name, the SDG Index has very little to do with sustainable development all. In fact, oddly enough, the countries with the highest scores on this index are some of the most environmentally unsustainable countries in the world. Take Sweden, for example. Sweden scores an impressive 84.7 on the index, topping the pack. But ecologists have long pointed out that Sweden’s “material footprint”—the quantity of natural resources that the country consumes each year—is one of the biggest in the world, right up there with the United States, at 32 metric tons per person. To put this in perspective, the global average is about 12 tons per person, and the sustainable level is about 7 tons per person. In other words, Sweden is consuming nearly five times over the boundary. There is nothing sustainable about this kind of consumption. If everyone on the planet were to consume as Sweden does, global resource use would exceed 230 billion tons of stuff per year. To get a sense for what this would look like, consider all the resources that we presently extract, produce, transport, and consume around the world each year—and all of the ecological damage that this causes—and triple it. Or take Finland, for example, which is No. 3 on the SDG Index. Finland’s carbon footprint is about 13 metric tons of carbon dioxide per person per year, similar to that of Saudi Arabia. This makes it one of the most polluting countries in the world, in per capita terms, and a major contributor to climate breakdown. For comparison, China’s carbon footprint is about 7 tons per person. India’s is less than 2. If the whole world were to consume as much fossil fuels as Finland does, the planet would be literally uninhabitable. This isn’t just a matter of a few odd results. Data published by scientists at the University of Leeds shows that all of the top-ranked countries in the SDG Index have significantly overshot their fair share of planetary boundaries, in consumption-based terms—not only when it comes to resource use and emissions but also in terms of land use and chemical flows like nitrogen and phosphorous. It is physically impossible for all nations to consume and pollute at the level of the SDG top performers without destroying our planet’s biosphere. In other words, the SDG Index is, from the perspective of ecology, incoherent. It creates the illusion that rich countries have high levels of sustainability when in fact they do not. So what’s going on here? Well, the SDG Index is directly linked to the Sustainable Development Goals. There are 17 goals, each of which include a number of targets. The SDG Index takes indicators for each of these targets (where data is available), indexes them, and then averages them together to arrive at a score for each goal. Then the 17 goals are averaged together in turn to come up with the final figure. All of this seems reasonable enough, on the face of it. But taking this approach means introducing a number of analytical problems. First, there is a weighting problem. The SDGs include three different kinds of indicators: Some focus on ecological impact (like deforestation and biodiversity loss), some focus on social development (like education and hunger), and some focus on infrastructure development (like transportation and electricity). Most of the SDGs contain a mix of these, but the ecological indicators are almost always swamped, as it were, by the development indicators. For example, the SDG Index has four indicators for Goal 11 (on “sustainable cities and communities”); three of them are development indicators, while only one of them has to do with ecological impact. This means that if a country performs well on the development indicators, its score for that goal will look good even if it fails in terms of sustainability. This issue is compounded by a second problem, namely, that only four of the 17 SDGs deal mostly or wholly with ecological sustainability (Goals 12 through 15). The other 13 are mostly focused on development. Once again, this means that good performance on the development goals outweighs poor performance on the sustainability goals, so countries like Sweden, Germany, and Finland can rise to the top of the index (with the United States ranking in the top 20 percent) even though they have highly unsustainable levels of ecological impact. The final problem is that the vast majority of the ecological indicators are territorial metrics that do not account for impacts related to international trade. For instance, take the air pollution indicator in Goal 11. Rich countries come out looking clean—but this is largely because they have offshored most of their polluting industries to countries in the global south since the 1980s, thus shifting the problem abroad. So too with the indicators on deforestation, overfishing, and so on: most of this damage happens in poorer countries, but it is disproportionately caused by overconsumption in richer countries, and quite often perpetrated by corporations or investors headquartered there. As a result, poorer countries get punished in the SDG Index for being harmed and polluted by richer countries. Of course, in many cases territorial metrics are appropriate; but there are a number of indicators in the SDG Index that should be reckoned as well in consumption-based terms and yet are not. In effect, the SDG Index celebrates rich countries while turning a blind eye to the damage they are causing. Ecological economists have long warned against this approach. It violates the principle of “strong sustainability,” which holds that good performance on development indicators cannot legitimately substitute for destructive levels of ecological impact. The SDG Index team are aware of this problem. It’s even mentioned (briefly) in their methodological notes—but then it’s swept under the rug in favor of a final metric that has little grounding in ecological principles. Ultimately, metrics of sustainable development need to be universalizable. In other words, the top performers on the index should represent a standard that all nations could aspire to achieve without this leading to a collapse of global ecosystems. That’s not the case with the SDG Index, where rich countries are held up as models when in reality, as the Leeds research shows, they are a big part of the problem. The United Nations needs to redesign the index to correct these issues. This can be done by rendering the ecological indicators in consumption-based terms wherever relevant and possible, to take account of international trade, and by indexing the ecological indicators separately from the development indicators so that we can see clearly what’s happening on each front. This way we can celebrate what countries like Denmark and Germany have achieved in terms of development while also recognizing that they are major drivers of ecological breakdown and need urgently to change course, with rapid reductions in emissions and resource use. Until then, we should avoid using the SDG Index as a metric of progress in sustainable development, because it’s not. Given the stakes of the crisis we face, we need to tell more honest, accurate stories about what’s happening to our planet and who is responsible for it.

#### US violations of International Labor Standards are inevitable and multiple Alt Causes other than the Right to Strike.

Rosenberg 20 Eli Rosenberg 10-7-2020 "U.S. accused of violating international labor laws, forced-labor protections in new complaint" <https://www.washingtonpost.com/business/2020/10/08/international-complaint-worker-protections/> (University of California at Los Angeles, BA in American literature and Latin American studies)//Elmer

**Leaders** representing a large number of U.S. trade unions **filed** a **complaint** **with** the **U**nited **N**ations’ **labor** **agency** Wednesday, **arguing** that the country under President **Trump** has **violated** **international labor standards during the coronavirus pandemic.** The complaint was **filed by** the Service Employees International Union and the AFL-CIO at the Geneva headquarters of the International Labour Organization, a more than 100-year-old institution run by the U.N. that works to upholds human rights on work-related issues like safety and collective bargaining. The complaint details numerous ways U.S. labor law and enforcement are failing workers, and spotlights their further weakening under Trump. And it **charges** the **U**nited **S**tates **with** **violating workers’ rights** in terms not typically associated with well-off countries, at one point saying the bind many essential workers have been placed in during the pandemic — **forced to risk infection or lose their jobs** and potentially unemployment benefits **— amounts to a system of forced** **labor**. The complaint is another sign of the frustration over the treatment of workers under the Trump administration, and it places the United States in the realm of potential wrongdoing typically occupied by less-developed and less-democratic countries. “Covid has laid bare what we already knew,” Richard Trumka, the president of the AFL-CIO said in an interview. “It has demonstrated that not only is the U.S. violating workers’ rights, but those violations are resulting in people dying. It became so outrageous that we wanted to file a complaint.” The Labor Department and Occupational Safety and Health Administration did not respond to a request for comment. The National Labor Relations Board declined to comment. The complaint points to two main avenues of failure for U.S. labor law and policy: the country’s antiquated labor laws, such as the 1935 National Labor Relations Act, which leaves farmers, gig workers, contractors and other classes of workers without protection; and the softening of workers’ protections by the Trump administration that has continued into the pandemic. Some of the complaint’s harshest words were reserved for the Trump administration’s orders declaring industries such as meatpacking essential, compelling them to stay open even amid potential novel coronavirus outbreaks, while federal agencies, including OSHA, declined to issue enforceable safety regulations. “These executive orders gave a green light for employers to force workers to report for work and risk their lives or lose their jobs,” said the complaint, signed by Trumka and SEIU President Mary Kay Henry. “This is tantamount to forced labor.” The complaint highlighted the racial implications of these orders too, arguing one executive order was inherently discriminatory because the vast majority of meatpacking workers who contracted the coronavirus were Black or Hispanic. The complaint also took aim at other ways Trump’s labor agencies rolled back protections for workers. During the pandemic’s early weeks, the NLRB, which oversees union elections, suspended them, giving companies more time to maneuver against them, the complaint charged. The NLRB also issued a memo in March that the union presidents said signaled employers could avoid bargaining about proposed layoffs because of the pandemic. And in two cases in August, the NLRB said companies were in the clear for dismissing workers who expressed concern about safety issues during the pandemic, even though workers have protections from the National Labor Relations Act from being fired in many cases for raising safety concerns at work. “Each of these decisions disarms workers and their unions in the face of management actions to violate their collective bargaining rights in the Covid-19 crisis,” the complaint said. “Since these memoranda also serve as instructions to NLRB regional authorities on how to handle similar cases, they have a cascading effect that will undermine workers’ rights in weeks and months ahead as the pandemic continues to ravage American workplaces.”

#### No Extinction from Warming – new studies prove over-hype and tech solves.

* Extinction Tipping Point is implausible – we’re on track for 3 degrees, not 4-5 degrees
* Tech and Energy Modernization Solve – Renewable Energy is replacing Fossil Fuels which reduces Climate Mortality by a rate of 5.

Nordhaus 20 Ted Nordhaus 1-23-2020 “Ignore the Fake Climate Debate” <https://www.wsj.com/articles/ignore-the-fake-climate-debate-11579795816>, found by BPS, (American author, environmental policy expert, and the director of research at The Breakthrough Institute, citing new climate change forecasts)//Re-cut by Elmer

Beyond the headlines and social media, where Greta Thunberg, Donald Trump and the online armies of climate “alarmists” and “deniers” do battle, there is a real climate debate bubbling along in scientific journals, conferences and, occasionally, even in the halls of Congress. It gets a lot less attention than the boisterous and fake debate that dominates our public discourse, but it is much more relevant to how the world might actually address the problem. In the real climate debate, no one denies the relationship between human emissions of greenhouse gases and a warming climate. Instead, the disagreement comes down to different views of climate risk in the face of multiple, cascading uncertainties. On one side of the debate are optimists, who believe that, with improving technology and greater affluence, our societies will prove quite adaptable to a changing climate. On the other side are pessimists, who are more concerned about the risks associated with rapid, large-scale and poorly understood transformations of the climate system. But most pessimists do not believe that runaway climate change or a hothouse earth are plausible scenarios, much less that human extinction is imminent. And most optimists recognize a need for policies to address climate change, even if they don’t support the radical measures that Ms. Thunberg and others have demanded. In the fake climate debate, both sides agree that economic growth and reduced emissions vary inversely; it’s a zero-sum game. In the real debate, the relationship is much more complicated. Long-term economic growth is associated with both rising per capita energy consumption and slower population growth. For this reason, as the world continues to get richer, higher per capita energy consumption is likely to be offset by a lower population. A richer world will also likely be more technologically advanced, which means that energy consumption should be less carbon-intensive than it would be in a poorer, less technologically advanced future. In fact, a number of the high-emissions scenarios produced by the United Nations Intergovernmental Panel on Climate Change involve futures in which the world is relatively poor and populous and less technologically advanced. Affluent, developed societies are also much better equipped to respond to climate extremes and natural disasters. That’s why natural disasters kill and displace many more people in poor societies than in rich ones. It’s not just seawalls and flood channels that make us resilient; it’s air conditioning and refrigeration, modern transportation and communications networks, early warning systems, first responders and public health bureaucracies. New research published in the journal Global Environmental Change finds that global economic growth over the last decade has reduced climate mortality by a factor of five, with the **greatest benefits documented in the poorest nations.** In low-lying Bangladesh, 300,000 people died in Cyclone Bhola in 1970, when 80% of the population lived in extreme poverty. In 2019, with less than 20% of the population living in extreme poverty, Cyclone Fani killed just five people. “Poor nations are most vulnerable to a changing climate. The fastest way to reduce that vulnerability is through economic development.” So while it is true that poor nations are most vulnerable to a changing climate, it is also true that the fastest way to reduce that vulnerability is through economic development, which requires infrastructure and industrialization. Those activities, in turn, require cement, steel, process heat and chemical inputs, all of which are impossible to produce today without fossil fuels. For this and other reasons, the world is unlikely to cut emissions fast enough to stabilize global temperatures at less than 2 degrees above pre-industrial levels, the long-standing international target, much less 1.5 degrees, as many activists now demand. But recent forecasts also suggest that many of the worst-case climate scenarios produced in the last decade, which assumed unbounded economic growth and fossil-fuel development, are also very unlikely. There is still substantial uncertainty about how sensitive global temperatures will be to higher emissions over the long-term. But the best estimates now suggest that the world is on track for 3 degrees of warming by the end of this century, not 4 or 5 degrees as was once feared. That is due in part to slower economic growth in the wake of the global financial crisis, but also to decades of technology policy and energy-modernization efforts. “We have better and cleaner technologies available today because policy-makers in the U.S. and elsewhere set out to develop those technologies.” The energy intensity of the global economy continues to fall. Lower-carbon natural gas **has** displaced coal **as the primary source of new fossil energy**. The falling cost of wind and solar energy has begun to have an effect on the growth of fossil fuels. Even nuclear energy has made a modest comeback in Asia.

#### [Aff] studies about CO2 impact are exaggerated

* peer-reviewed journal shows IPCC exaggeration
* history proves resilience
* no extinction- warming under Paris goals
* rock breaking strategy could offset warming

IBD 18 Investors Business Daily 4-25-2018 “Here's One Global Warming Study Nobody Wants You To See” <https://www.investors.com/politics/editorials/global-warming-computer-models-co2-emissions/> (Citing Study from Peer reviewed journal by Lewis and Curry)//Re-cut by Elmer

Settled Science: A new study published in a peer-reviewed journal finds that climate models exaggerate the global **warming from CO2** emissions by as much as 45%. If these findings hold true, it's huge news. No wonder the mainstream press is ignoring it. In the study, authors Nic Lewis and Judith Curry looked at actual temperature records and compared them with climate change computer models. What they found is that the planet has shown itself to be far less sensitive to increases in CO2 than the climate models say. As a result, they say, the planet will warm less than the models predict, even if we continue pumping CO2 into the atmosphere. As Lewis explains: "Our results imply that, for any future emissions scenario, future warming is likely to be substantially lower than the central computer model-simulated level projected by the (United Nations Intergovernmental Panel on Climate Change), and highly unlikely to exceed that level. How much lower? Lewis and Curry say that their findings show temperature increases will be 30%-45% lower than the climate models say. If they are right, then there's little to worry about, even if we don't drastically reduce CO2 emissions. The planet will warm from human activity, but not nearly enough to cause the sort of end-of-the-world calamities we keep hearing about. In fact, the resulting warming would be below the target set at the Paris agreement. This would be tremendously good news. The fact that the Lewis and Curry study appears in the peer-reviewed American Meteorological Society's Journal of Climate lends credibility to their findings. This is the same journal, after all, that recently published widely covered studies saying the Sahara has been growing and the climate boundary in central U.S. has shifted 140 miles to the east because of global warming. The Lewis and Curry findings come after another study, published in the prestigious journal Nature, that found the long-held view that a doubling of CO2 would boost global temperatures as much as 4.5 degrees Celsius was wrong**.** The most temperatures would likely climb is 3.4 degrees. It also follows a study published in Science, which found that **rocks** contain vast amounts of nitrogen that plants could use to grow and absorb more CO2, potentially **offsetting** at least some of the effects of CO2 emissions and reducing future temperature increases.