

# Climate Change: Myth Or Fact?

Scientists around the world are hot on the trail of a hostile suspect: carbon dioxide and its gang of greenhouse gases, caused by air pollution.

Global warming leads to climate change—and it's a crazy complex problem! Earth is a gigantic place with a global ecosystem, and it's evolved dramatically over billions of years. Changes in the atmosphere, snow cover, vegetation, ocean currents, and many other factors interact with each other on a global scale.



But the clues are all around us. **In one study, 97% of climate scientists agreed that climate change is mainly caused by humans.**

Still, there's confusion. About one-third of Americans think scientists have *a lot* of disagreement about whether global warming is happening.

To protect our planet, we *all* need to investigate the facts. When we understand the truth, we can find solutions for Earth, its people, its creatures, and its future.

Put on your detective hat, and decide if these climate statements are myth or fact!

1) Almost all climate scientists agree that recent climate change is due to human activities. **Myth • Fact**

2) Earth's recent warming is from natural causes. **Myth • Fact**

3) Recent climate change is due to the sun warming up. **Myth • Fact**



7) Climate change is something that might happen in the future. **Myth • Fact**

8) We don't have to worry about pollution because new technology will fix the problem. **Myth • Fact**

9) It's such a big problem, there's nothing one person can do. **Myth • Fact**

4) There is strong evidence that humans contribute to climate change. **Myth • Fact**

5) Cold weather in some places disproves global warming. **Myth • Fact**

6) There is so little carbon dioxide in the atmosphere that it can't be causing climate change. **Myth • Fact**



## ANSWERS

1. Fact: In a recent study, 97% of climate scientists agreed.
2. Myth: Earth's temperature changes naturally over many years, but that doesn't explain current global warming.
3. Myth: Solar radiation varies slightly, but it doesn't account for recent warming.

4. Fact: Carbon dioxide is now at its highest level in about a million years.
5. Myth: Melting Arctic ice due to global warming changes weather patterns, which can make it colder in some areas.
6. Myth: Though the amount of carbon dioxide is small, it's one of the main gases that traps heat.

7. Myth: Current evidence of climate change includes melting ice, warmer oceans, and rising seas.
8. Myth: We need to reduce pollution now! Even with new technology, it will take decades to stop the warming.
9. Myth: Everyone's efforts, large and small, can make a difference.