



# CLIMATE CHANGE AND GLOBAL WARMING

## Assess Common Misconceptions

1. Global warming and climate change mean the same thing.
  - TRUE
  - FALSE
  
2. Is the increase in global temperature solely due to human activities?
  - Yes, human activities are the main driver.
  - No, it's entirely natural.
  - Only volcanic activities cause it.
  - Solar radiation fluctuations are the cause.
  
3. Do all scientists agree on the causes of climate change?
  - Yes, the majority agree on human causes.
  - No, there is significant disagreement.
  - Most scientists believe it's a hoax.
  - There is no scientific consensus.
  
4. Climate change only affects temperatures.
  - TRUE
  - FALSE
  
5. Can planting trees alone solve the issue of climate change?
  - Yes, reforestation is sufficient.
  - No, it's an important step, but not enough.
  - Only reducing emissions counts.
  - Trees have no impact on climate.

6. Climate change is a modern phenomenon.
- True
  - False
7. Are polar ice caps melting a direct result of climate change?
- Yes, due to warming temperatures.
  - No, it's unrelated.
  - Only recent volcanic activities cause it.
  - Polar ice caps are not melting.
8. Ocean acidification is directly connected to climate change.
- True
  - False
9. Does climate change impact global agriculture?
- Yes, it alters growing seasons.
  - No, agriculture is unaffected.
  - Only maritime climates are impacted.
  - Farmlands remain productive.
10. It is too late to mitigate climate change effectively.
- True
  - False
11. Is CO<sub>2</sub> the only greenhouse gas contributing to climate change?
- Yes, only CO<sub>2</sub> matters.
  - No, other gases like methane also contribute.
  - Oxygen is a greenhouse gas.
  - Only industrial emissions matter.
12. Are all parts of the world are warming at the same rate.
- True
  - False

13. Does melting sea ice contribute to sea level rise?
- Yes, but only minimally.
  - No, it does not affect sea levels.
  - It causes significant rise.
  - Sea ice does not melt.
14. If the Earth's temperature rises by just 1 or 2 degrees, there will be no serious consequences.
- TRUE
  - FALSE
15. Does climate change contribute to the increased frequency of hurricanes and typhoons?
- Yes, it increases their frequency and intensity.
  - No, there is no link.
  - Only cyclones are affected.
  - It decreases their frequency.
16. There is a link between climate change and biodiversity loss
- True
  - False
17. Does an increase in carbon footprint only come from industrial activities?
- Yes, only industries matter.
  - No, daily activities also contribute.
  - Transport is the only other source.
  - Personal carbon footprint is negligible.
18. The ozone hole is the main cause of global warming.
- TRUE
  - FALSE