

Quiz: Stopping warming

Name: _____ Date: _____

Circle one answer for each question.

1. Earth absorbs more energy than it sends to space. What happens over time?

- A. It warms.
- B. It cools.
- C. Its temperature must stay the same.

2. What is the difference between emissions and concentration?

- A. They are two names for the same thing.
- B. Emissions are CO₂ added; concentration describes how much is in the air.
- C. Concentration means the CO₂ inside a fuel tank.

3. People halve their emissions, but additions still exceed removals. What happens to atmospheric CO₂?

- A. It immediately disappears.
- B. It automatically stays constant.
- C. It continues to rise, more slowly.

4. What does global net zero CO₂ mean?

- A. There is no CO₂ left in the atmosphere.
- B. Remaining human-caused emissions are balanced by human-caused removals.
- C. Natural sinks are guaranteed to remove any amount we emit.

5. At sustained global net zero CO₂, CO₂-caused surface warming is expected to...

- A. ...roughly level off.
- B. ...instantly return to the climate of the 1800s.
- C. ...keep increasing at the same rate for ever.

6. Why do earlier cuts in CO₂ emissions matter?

- A. They stop all changes in the oceans immediately.
- B. They remove the need to reduce methane.
- C. They reduce total CO₂ added and the warming it causes.

Talk it through: Explain why net zero is not a rewind button.