Climate

Earth 3.7.3 | Part 2, usually Year 8 | 20 quick questions

KS3 science quick questions

Answer online, marked instantly

Activate 2: The Earth | Exploring Science 8E

Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1. Which gas makes up about 78% of the air?

2. Which gas makes up about 21% of the air?

3. About what percentage of the air is carbon dioxide: 0.04%, 4% or 40%?

4. Which process in green plants takes carbon dioxide out of the air?

5. Which process in all living things releases carbon dioxide into the air?

6. Burning a fuel in oxygen has a chemical name. What is it?

7. Coal, oil and natural gas formed from the remains of living things millions of years ago. What kind of fuels are they?

8. Burning fossil fuels adds which greenhouse gas to the air?

9. Gases in the atmosphere that trap heat and keep the Earth warm are called what kind of gases?

10. Which greenhouse gas is given off by cows and by flooded rice fields?

11. What is the name for the rise in the Earth's average temperature? Answer in two words.

12. What is the name for cutting down large areas of forest?

13. Does deforestation increase or decrease the amount of carbon dioxide in the air?

14. Forests, oceans and soil take in carbon dioxide and store the carbon for a long time. What is a store like this called? Answer in two words.

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15 Which huge stores of water on Earth dissolve a lot of carbon dioxide from the air?

Year 9 stretch

16 Ice sheets on land melt as the Earth warms. Does the sea level rise or fall?

17 Greenhouse gases let sunlight through but absorb the energy given off by the warm Earth's surface. What type of radiation do they absorb?

18 Shells of tiny sea creatures pile up on the sea bed over millions of years. Which carbon-storing rock do they form?

19 While it is making electricity, does a wind turbine release more or less carbon dioxide than a coal power station?

20 Explain how burning fossil fuels adds to global warming.

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