

OBHS Core Questions:

Subject: Science

Year and Term: Year 8 Autumn Term

Topic: 8C1 Earth and Resources



Learn these questions to build a strong foundation of knowledge for this half-term. Ask family or friends to test you regularly, or practise on your own using the 'Look, Say, Cover, Write' method.

Question	Answer
1. What are the three main types of rocks?	Sedimentary, igneous, and metamorphic.
2. What can change rocks from one type to another?	Weathering, erosion, heat, pressure, melting, and cooling.
3. Which type of rock is made from sediment?	Sedimentary.
4. What can sometimes be found in sedimentary rocks?	Fossils.
5. Name one sedimentary rock.	Limestone, chalk, or sandstone.
6. How do igneous rocks form?	From cooled magma.
7. What is special about the minerals in igneous rocks?	They are arranged in crystals.
8. Name one igneous rock.	Granite, basalt, or obsidian.
9. How do metamorphic rocks form?	From other rocks changed by heat and pressure.
10. Name one metamorphic rock.	Marble, slate, or schist.
11. What is weathering?	Breaking down of rock by water or other natural ways.
12. What is erosion?	Moving rock by water, wind, or ice.
13. What are minerals?	The chemicals that rocks are made from.
14. What are the four layers inside the Earth?	Crust, mantle, outer core and inner core.
15. What is the rock cycle?	The way rocks change from one type to another over time.
16. Name two greenhouse gases.	Methane and carbon dioxide.
17. What percent of Earth's atmosphere is nitrogen?	About 78%.
18. What is the greenhouse effect?	When heat from the Sun is trapped by gases in the atmosphere.
19. Why is carbon dioxide important to the greenhouse effect?	It helps trap heat in the atmosphere.
20. What percent of Earth's atmosphere is nitrogen?	About 78%.
21. What percent of Earth's atmosphere is oxygen?	About 21%.
22. What is an ore?	A rock with enough metal in to be worth extracting.

23. Why are some metals harder to extract than others?	Some metals are more reactive than others which can make them more difficult to extract than others.
24. What is a natural resource?	Materials from the Earth which act as raw materials for making a variety of products.
25. What is a synthetic material?	Something that is human-made, not naturally found.