

Earth and the Atmosphere for KS3 Science - Worksheet

Activities

Rocks word fit puzzle <https://www.stem.org.uk/rxuke>

Rocks and soils, lots of activities to complete by the RSC <https://www.stem.org.uk/rx32pr>

Inside the Earth <https://www.stem.org.uk/rxg96r>

Questions

1. Rocks are formed from minerals. Minerals are types of
2. Name the three types of rocks and give one example of each.

Type of Rock	Example

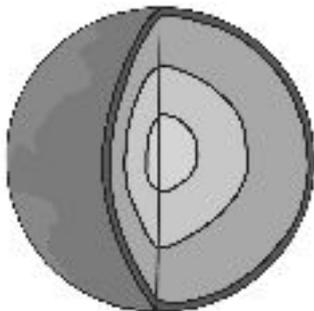
3. Why are the crystal larger in intrusive igneous rocks in comparison to extrusive igneous rocks

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4. Which type of rock might contain fossils

.....

5. Label the layers of the Earth



6. Which is the most common gas in the atmosphere?

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7. By percentage, how much carbon dioxide is there in the atmosphere?

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8. Why are levels of carbon dioxide rising in the atmosphere?

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9. Which gases are responsible for the greenhouse effect.

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10. How can humans reduce their impact on the Earth?

.....



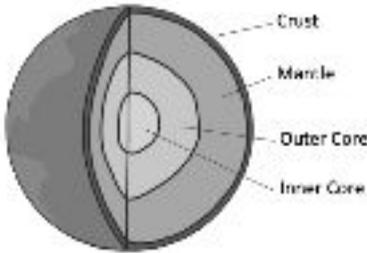
Earth and the Atmosphere for KS3 Science

Earth and the Atmosphere for KS3 Science - Worksheet (Answers)

1. Rocks are formed from minerals. Minerals are types of **chemical compounds**
2. Name the three types of rocks and give one example of each.

Type of Rock	Example
Igneous	Granite, basalt
sedimentary	Sandstone, limestone
Metamorphic	slate, marble, schist, gneiss

3. Why are the crystals larger in intrusive igneous rocks in comparison to extrusive igneous rocks
Slow cooling means the crystals more time to form
4. Which type of rock might contain fossils
Sedimentary
5. Label the layers of the Earth



6. Which is the most common gas in the atmosphere?
Nitrogen
7. By percentage, how much carbon dioxide is there in the atmosphere?
0.04%
8. Why are levels of carbon dioxide rising in the atmosphere?
Burning fossil fuels and deforestation
9. Which gases are responsible for the greenhouse effect.
Carbon dioxide, methane and water vapour
10. How can humans reduce their impact on the Earth?
Recycle, use alternative energy, waste less resources