

8H Rocks- Revision Worksheet

Describe what **rocks** are.

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Describe what the **texture** of a **rock** is.

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Draw a diagram to represent rocks with **interlocking grains (crystals)**.

State the **properties** of **rocks** with **interlocking grains**.

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Draw a diagram to represent rocks with **rounded grains**.

State the **properties** of **rocks** with **rounded grains**.

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Explain why **rocks** with **rounded grains** are said to be **porous**.


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Define the term **permeable**.

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Spider-diagram some different uses of **rocks**.



Uses of Rocks

Describe how **extrusive igneous rocks** are formed.

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Describe how **intrusive igneous rocks** are formed.

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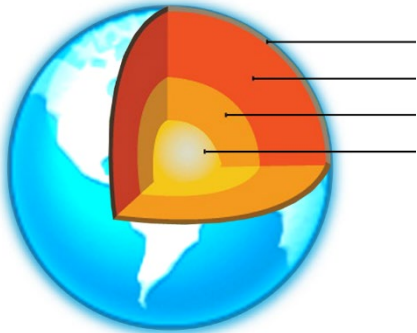
Explain how **grain size** is evidence for the speed of **cooling**.

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Label the **layers** of the **Earth** on the diagram.



Describe how **metamorphic rocks** are formed.

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Describe the **texture** of **metamorphic rocks**.

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State which **rocks** each of the following **metamorphic rocks** are formed from.

Schist- **Gneiss-**

Slate- **Marble-**

Complete the table by describing what each type of **weathering** is and giving examples of each.

Chemical Weathering	
Biological Weathering	
Physical Weathering	

Describe what **freeze-thaw action** is.

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Define the following keywords.

Erosion	
Abrasion	
Sediment	
Glacier	

Describe how **sedimentary rocks** are formed.

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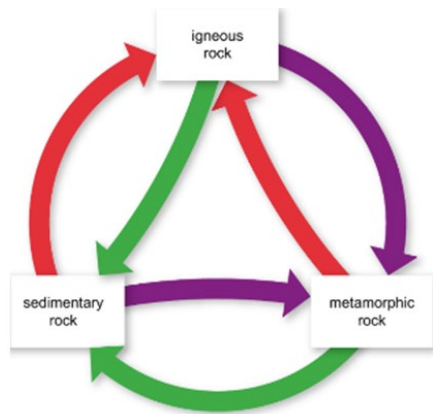
State three examples of **sedimentary rock**.

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Describe what **fossils** are and how they are formed.

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Label each arrow below to complete the **rock cycle**.



Explain why **rare metals** are so **expensive**.

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Describe some **advantages** of **recycling metals**.

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Describe what **metals** found in the '**native state**' means.

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Describe what an **ore** is.

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Describe the dangers of putting **metals** in **landfill** sites.

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Describe how **ores** can be obtained and the problems associated with this.

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Rate the following on how well you think you can do them:



I can...

- Describe the textures of some different rocks.
- Explain how some of the properties of rocks are related to their texture.
- Recall some uses of rocks.
- Describe the structure of the Earth.
- Describe how igneous and metamorphic rocks are formed.
- Explain how the grain size is evidence for the speed of cooling.
- Identify the use of emotive language in media reports.
- Evaluate the information contained in media reports.
- Describe how weathering can break up rocks.
- Describe how weathered rocks are eroded.
- Describe how sedimentary rocks are formed.
- Describe the texture of some sedimentary rocks.
- Use the rock cycle model to link the three types of rock.
- Describe how the scientific method is used by geologists.
- Use a hypothesis to make predictions.
- Explain how evidence disproves a certain theory.
- Describe how metals are obtained.
- Describe some advantages of recycling metals.