

Name: _____

Date: _____

Rocks and Minerals Quiz

1. About how many different types of minerals are there on earth?

2000

2. What are minerals? Name two examples.

Made of crystals. Non-living materials. Same material throughout.

Examples (from class): Quartz, Talc, Halite, Magnetite, Feldspar, Mica, Diamond, Gold, Silver

3. From what are rocks made?

Rocks are made from two or more minerals.

4. What is the hardest mineral?

Diamond

5. What is the softest mineral?

Talc

6. What are the three different types of rocks? Explain how each is formed and give an example of each type.

Igneous - Formed from cooled magma.

Examples from class: Granite, Basalt, Pumice

Sedimentary - Formed from layers of rock pieces settling on waterbeds.

Examples from class: Sandstone, Shale, Limestone

Metamorphic - Formed when other rocks are changed over a long period of time.

Examples from class: Quartzite, Slate, Marble, Gneiss

7. What is melted rock called?

Magma

8. Are minerals organic solids or inorganic solids?

Inorganic

9. Name the five ways of classifying a rock or mineral.

1. Texture

4. Lustre

2. Size

5. Colour

3. Shape

10. What is the difference between a rock and a mineral?

A mineral is made up of one substance.

A rock is made up of more than one mineral.

11. How long does it take for a rock to change?

Millions of years

12. What are some different ways people use minerals? (at least 2 examples)

Jewellery, Cutting (diamonds), Glass (quartz), Talcum Powder (talc), Steel (hematite)

13. What hard rock is used to build roads?

Granite

14. Is water a mineral?

Yes

15. Name the three things that change a sedimentary rock into a metamorphic rock.

Heat

Pressure

Time

16. What are ways people use rocks? (at least 3 examples)

Building, Jewellery, Energy (coal), Floors, Roads, Counter Tops, Pathways, Pottery