



Rocks and Minerals

Name: _____

Date: _____

Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

- Basalt is the most common _____ rock on Earth's surface.
- Gneiss is a metamorphic rock that has light and dark _____ of minerals.
- Sedimentary rocks form in layers called _____.
- When dissolved minerals fill in spaces between sediment grains, the process is called _____.
- A fingernail has a hardness of about _____ on the Mohs scale.
- Mica is a mineral that splits into thin, flat _____.
- Fossils in sedimentary rock layers help scientists figure out the _____ of the rock.
- When any type of rock melts completely, it becomes _____.
- A copper penny can scratch a mineral with a hardness less than _____.

Part B: Matching

Match each item on the left to the correct answer on the right.

- Match each rock to its correct type.

granite	→		igneous rock with small crystals from fast cooling
limestone	→		sedimentary rock made from shells and marine remains
marble	→		igneous rock with large crystals from slow cooling

Answer Key · Rocks and Minerals · Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Basalt is the most common igneous rock on Earth's surface.
2. Gneiss is a metamorphic rock that has light and dark bands of minerals.
3. Sedimentary rocks form in layers called strata .
4. When dissolved minerals fill in spaces between sediment grains, the process is called cementation .
5. A fingernail has a hardness of about 2.5 on the Mohs scale.
6. Mica is a mineral that splits into thin, flat sheets .
7. Fossils in sedimentary rock layers help scientists figure out the age of the rock.
8. When any type of rock melts completely, it becomes magma .
9. A copper penny can scratch a mineral with a hardness less than 3 .

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each rock to its correct type.

granite	→ <u>igneous rock with large crystals from slow cooling</u>	igneous rock with small crystals from fast cooling
limestone	→ <u>sedimentary rock made from shells and marine remains</u>	sedimentary rock made from shells and marine remains
marble	→ <u>metamorphic rock formed from heated limestone</u>	igneous rock with large crystals from slow cooling