



Rocks and Minerals

Name: _____

Date: _____

Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Obsidian is an igneous rock that forms when lava cools _____ .
2. Sandstone is a sedimentary rock made mostly of grains of _____ .
3. Marble is a metamorphic rock formed from _____ .
4. Fossils are most commonly found in _____ rocks.
5. The Mohs scale ranks minerals from 1 to 10 by their _____ .
6. Talc has a hardness of 1 and _____ has a hardness of 10 on the Mohs scale.
7. Pumice is a light igneous rock that floats on water because it is full of tiny _____ .
8. Slate is a metamorphic rock formed from the sedimentary rock _____ .
9. Conglomerate is a sedimentary rock made of rounded _____ cemented together.

Part B: Matching

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

1. Match each item to its correct answer.

igneous	→ _____	single natural substance with a crystal structure
sedimentary	→ _____	formed from cooled magma or lava
metamorphic	→ _____	changed by heat and pressure
mineral	→ _____	formed from compressed layers of sediment

Answer Key · Rocks and Minerals · Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Obsidian is an igneous rock that forms when lava cools quickly .
2. Sandstone is a sedimentary rock made mostly of grains of sand .
3. Marble is a metamorphic rock formed from limestone .
4. Fossils are most commonly found in sedimentary rocks.
5. The Mohs scale ranks minerals from 1 to 10 by their hardness .
6. Talc has a hardness of 1 and diamond has a hardness of 10 on the Mohs scale.
7. Pumice is a light igneous rock that floats on water because it is full of tiny holes .
8. Slate is a metamorphic rock formed from the sedimentary rock shale .
9. Conglomerate is a sedimentary rock made of rounded pebbles cemented together.

Part B: Matching

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

1. Match each item to its correct answer.

igneous	→ <u>formed from cooled magma or lava</u>	single natural substance with a crystal structure
sedimentary	→ <u>formed from compressed layers of sediment</u>	formed from cooled magma or lava
metamorphic	→ <u>changed by heat and pressure</u>	changed by heat and pressure
mineral	→ <u>single natural substance with a crystal structure</u>	formed from compressed layers of sediment