



# 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<br>with a crystal structure |
| sedimentary | → _____ | formed from cooled magma<br>or lava                  |
| metamorphic | → _____ | changed by heat and<br>pressure                      |
| mineral     | → _____ | formed from compressed<br>layers of sediment         |

**Part A: Fill in the Blank**

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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**

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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         |