

Name

Class

Date

Exploring Types of Rocks

Total questions: 15

Worksheet time: 8mins

Instructor name: Math Fox

1. Which of the following is a type of igneous rock?

a) Limestone

b) Granite

c) Shale

d) Sandstone

2. What process forms sedimentary rocks?

a) Melting

b) Cooling

c) Metamorphism

d) Compaction and cementation

3. Which type of rock is formed under high pressure and temperature conditions?

a) Sedimentary

b) Volcanic

c) Igneous

d) Metamorphic

4. Which of the following is a characteristic of sedimentary rocks?

a) Large crystals

b) Layered appearance

c) Glassy texture

d) Vesicular texture

5. What is the primary mineral found in limestone?
- a) Mica
 - b) Feldspar
 - c) Quartz
 - d) Calcite
6. Which rock is commonly used as a building material and is known for its durability?
- a) Basalt
 - b) Gypsum
 - c) Slate
 - d) Marble
7. What type of rock is formed from the cooling and solidification of magma or lava?
- a) Metamorphic
 - b) Sedimentary
 - c) Igneous
 - d) Clastic
8. Which of the following is an example of a clastic sedimentary rock?
- a) Gneiss
 - b) Coal
 - c) Conglomerate
 - d) Basalt
9. What is the main agent of metamorphism?
- a) Erosion
 - b) Water
 - c) Wind
 - d) Heat and pressure
10. Which type of rock is pumice?
- a) Organic
 - b) Sedimentary
 - c) Metamorphic
 - d) Igneous

11. Which of the following rocks is formed from the remains of plants and animals?
- a) Basalt
 - b) Coal
 - c) Granite
 - d) Quartzite
12. What is the process called when sedimentary rocks are transformed into metamorphic rocks?
- a) Metamorphism
 - b) Erosion
 - c) Weathering
 - d) Lithification
13. Which of the following is a foliated metamorphic rock?
- a) Marble
 - b) Slate
 - c) Obsidian
 - d) Quartzite
14. What is the primary component of granite?
- a) Gypsum
 - b) Mica
 - c) Calcite
 - d) Feldspar
15. Which type of rock is typically formed at the Earth's surface?
- a) Igneous
 - b) Metamorphic
 - c) Plutonic
 - d) Sedimentary