

Name _____

Melting Magic: The Rock Cycle's Fiery Transformation

Multiple Choice Questions

1. What is magma?
 - a) Solid rock deep beneath the Earth's surface
 - b) A hot, molten substance formed from melting minerals
 - c) A type of sedimentary rock
 - d) A metamorphic rock created by pressure and heat

2. What process forms igneous rocks like granite and basalt?
 - a) Erosion and weathering
 - b) Melting and solidifying of magma
 - c) Sediment accumulation
 - d) Deep burial under the Earth's surface

3. What determines the size of crystals in igneous rocks?
 - a) Their color
 - b) The number of minerals they contain
 - c) The speed at which magma cools
 - d) The pressure they are exposed to

4. How does melting contribute to the rock cycle?
 - a) It breaks rocks into smaller particles.
 - b) It creates sedimentary rocks.
 - c) It provides the raw materials for new rocks.
 - d) It causes rocks to weather and erode.

5. What happens to igneous rocks over time?
 - a) They turn into metamorphic rocks.
 - b) They remain the same forever.
 - c) They become sedimentary rocks.
 - d) They explode like volcanoes.

