

Name _____

Rock Time Travel: How Long Does the Rock Cycle Take?

Multiple Choice Questions

1. How long does it take for igneous rocks to form from cooling magma?

- a) A few days
- b) Tens of thousands of years
- c) Millions to billions of years
- d) Forever

2. What forces gradually break down rocks into sediments?

- a) Volcanic eruptions
- b) Weathering and erosion
- c) Metamorphism
- d) Melting

3. How do sedimentary rocks form?

- a) They are created instantly.
- b) They form through rapid cooling of lava.
- c) Sediments accumulate and compress over millions of years.
- d) They result from high-pressure conditions deep within the Earth.

4. What causes sedimentary rocks to accumulate in layers?

- a) Intense heat
- b) Erosion by wind
- c) Compression under the weight of more sediments
- d) Volcanic activity

5. What event restarts the rock cycle?

- a) The formation of sedimentary rocks
- b) The eruption of volcanoes
- c) The process of metamorphism
- d) The melting of rocks

