

Name \_\_\_\_\_

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

### Open-Ended Response Questions

1. Describe the geological processes involved in the formation of igneous rocks, and discuss their longevity in the rock cycle.
2. Explore the concept of weathering and erosion and their role in transforming rocks into sediments. Discuss the significance of time in this process.
3. Explain the formation of sedimentary rocks and how the accumulation of layers over time contributes to their structure.
4. Dive into the world of metamorphism and discuss the factors that influence the duration of this process. How does metamorphism fit into the rock cycle's timeline?

