

Name \_\_\_\_\_

## The Magic of Sedimentary Rocks: Unraveling the Earth's Storybook

### Open-Ended Response Questions

1. Imagine you are a geologist exploring a canyon with exposed sedimentary rock layers. Describe the features you might encounter and explain how these layers can offer insights into the geological history of the region.
2. Investigate a real-life example of a famous fossil discovery in sedimentary rocks. Explain what the fossils reveal about the past environment and the animals that lived during that time.
3. Discuss the role of sedimentary rocks in providing clues about past climate changes and environmental conditions. Provide examples of how scientists use sedimentary rocks to reconstruct Earth's history.
4. Imagine you are a teacher explaining the formation of sedimentary rocks to your class. Create a hands-on experiment or activity that demonstrates the key processes involved in their formation.

