

Name _____

Unraveling Earth's Puzzle: The Significance of the Rock Cycle in Understanding Geological History

Open-Ended Response Questions

1. Describe the significance of the rock cycle in understanding Earth's geological history. How does it help scientists piece together the puzzle of our planet's past?
2. Discuss the role of sedimentary rocks as "pages" in Earth's history book. How do they record events from the past, and what kind of information can scientists gather from them?
3. Explain the process of metamorphism and its role in the rock cycle. How do metamorphic rocks contribute to our understanding of Earth's geological history?
4. Imagine you are a geologist examining a rock sample. How would the study of the rock's transformation and the processes it has undergone help you uncover the geological history of the area where the rock was found?

