

Name \_\_\_\_\_

## Earth's Treasure Chest: Common Minerals You Should Know

### Open-Ended Response Questions

1. Imagine you are a geologist studying a new deposit of calcite. Describe the processes by which calcite forms, its various colors, and its practical applications in industry and everyday life.
2. Discuss the significance of feldspar being the most abundant mineral in Earth's crust. Why is it essential in the formation of rocks like granite, and how is it utilized in ceramics and glassmaking?
3. Choose one of the common minerals mentioned and explain how its properties make it suitable for its various uses in technology and manufacturing. Provide real-world examples of products that contain this mineral.
4. How can the study and knowledge of minerals benefit society and the environment? Think about their role in industries, conservation, and even art and culture.

