

Name _____

The Marvelous Map of Elements: Exploring the Periodic Table

Open-Ended Response Questions

1. Imagine you are a scientist trying to discover a new element. How would you use the periodic table to predict its properties?
2. Can you think of some everyday items or materials that contain elements from different groups on the periodic table? Explain which elements they contain and their properties.
3. Why do you think the periodic table is often referred to as a "map" or "puzzle" of elements?
4. How might the periodic table be helpful in industries other than chemistry, such as medicine or engineering? Provide examples.