

Name _____

Elementary Explorations: The Wonders of the Periodic Table

Open-Ended Response Questions

1. Explain why the periodic table is considered a valuable tool for scientists. Provide at least two examples of how it is used in scientific research.
2. Imagine you're a scientist working with a particle accelerator. How would you go about creating a new synthetic element, and why is it important to study such elements?
3. Do you think there will ever be an end to discovering new elements? Why or why not? Share your thoughts on the topic.
4. If you were to discover a new element, what would you name it, and why? Consider its properties and significance.

