

Name \_\_\_\_\_

## The Periodic Law: A Key to Unlocking the Secrets of the Periodic Table

### Short Answer

1. Explain in your own words what the Periodic Law is.
2. How does the Periodic Law assist scientists in discovering new elements?
3. Provide an example of how elements in the same group on the periodic table have similar properties.
4. Why is it helpful for chemists to know the properties of elements in the same group?
5. Imagine a world where the Periodic Law didn't exist. How might this make studying chemistry more challenging?

