Virtual Lab – Properties of Elements

PreLab Questions

1. What are the two main classes of elements?

2. What are the properties of metals?

3. What are the properties of nonmetals?

4. What do we call elements with properties of both metals and nonmetals?

5. How is the density of a substance tested? (From video)

6. How is the melting point of a substance determined? (From video)

7. How is the boiling point of a substance determined? (From video)

8. How is a flame test performed? (From video)

Data Table – Collect data for each of the mystery elements and use the table provided to identify them.

Mystery Element #	Density	Flame Color	Melting Point	Boiling POint	Identity

Post Lab Questions

1. How do scientific tests help determine the property of a substance?

2. How many tests did it take to identify a substance – 1,2,3, or 4? Explain your answer.

3. Why were some mystery elements easier to identify than others?