

Name: _____

Extension 1.1 AB

Properties of Elements virtual lab

Go to the following website for the virtual lab:

http://www.glencoe.com/sites/common_assets/science/virtual_labs/E21/E21.html

Read and follow the directions on the left side of the screen. Fill in the following chart:

Mystery Element #	Density	Flame Color	Melting Point	Boiling Point
1				
2				
3				
4				
5				
6				
7				
8				

After completing all of the experiments and filling in the chart, identify the mystery elements:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Questions:

1. How do scientific tests help determine the properties of a substance?
2. What did you know for sure after one test? Two tests? Three tests?
3. Describe the process you used to identify each mystery element?
4. Why are some mystery elements easier to identify than others?