

Name: \_\_\_\_\_

# Flame Test Lab- Physical & Chemical Changes

*Identifying physical and chemical changes from a variety of substances.*

## Directions:

1. Put on safety goggles.
2. Fill a beaker half way with water to dispose of the used wooden splints.
3. Set up a Bunsen burner
4. Get a piece of Mg ribbon and hold it in the flame. Record what occurs.
5. Obtain a wooden splint. Dip it in the chemical.
6. Hold the stick in the flame and record what occurs. (Do not hold it in the flame long enough to catch the stick on fire!!!) Dip in water to extinguish.
7. Repeat step 5 for all of the chemicals.
8. Complete any other activities assigned by the teacher.
9. Clean up your lab area.

Chemical	Physical Properties	Physical or Chemical Change	Color Chemical Burns
Magnesium Ribbon			
Barium Chloride			
Copper II Sulfate			
Sodium Chloride			
Sodium Borate			
Copper (II) Chloride			
Strontium Chloride			
Lithium Chloride			
Potassium Chloride			

1. Explain how to identify a physical change.
2. List and explain the 4 clues to identifying a chemical change.
3. Give 2 examples of physical changes.
4. Give 2 examples of chemical changes.
5. Explain the difference between a change and a property.