



TESTING METAL SALTS



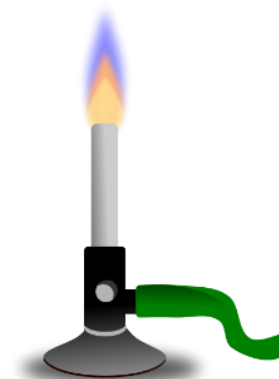
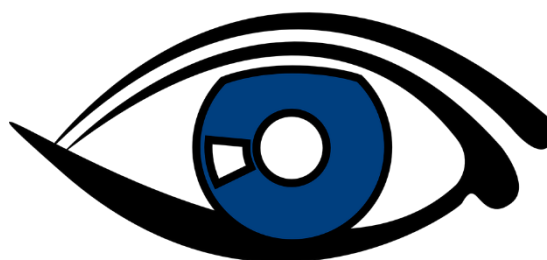
Some metal salts can be identified by seeing how they change the colour of the flame of the Bunsen burner.

We will test 4 different metal salts to see what colour they give us.

METHOD

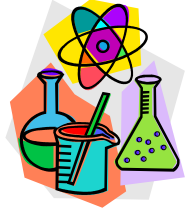
1. Place a tiny quantity of solid on a watchglass.
2. Add a few drops of hydrochloric acid to the solid.
3. Mix it to a paste with a spatula.
4. Make a loop on the end of the piece of nichrome wire.
5. Dip the loop in the paste and then place this in the Bunsen flame.
6. Watch carefully to see the colour.
7. Write down the colour you see.
8. Repeat the above with the other solids.

Metal salt	Colour of flame
calcium	
sodium	
copper	
lithium	





CHEMICAL REACTIONS



You are now going to mix together some different chemicals and note down your observations.



1. Measure out 3 ml of vinegar using a measuring cylinder and pour it into a test-tube. Add a small spatula measure of bicarbonate of soda. What do you see?

2. Mix 3ml of copper sulfate solution with 3ml of ammonia solution in a test-tube. What do you see?

3. Measure out 3ml of sulfuric acid into a test-tube. Add a piece of magnesium. What do you see?



4. Measure out 3ml of sulfuric acid into a test-tube. Add a small spatula measure of copper carbonate solid. What do you see?

When a Chemical reaction occurs we often see b----- of gas and the chemicals may change colour.

