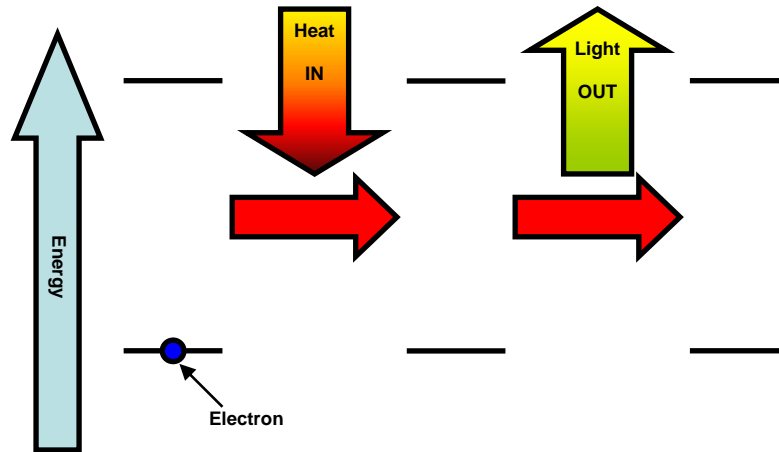




# Flame Colours - Worksheet

Name..... Class.....

- As your teacher shows you the demo, note down which colour each metal turns the flame.
  - Lithium.....
  - Copper.....
  - Sodium.....
- Can you think of a spectacular use for this effect?.....
- A simplified electron energy diagram is shown below. Mark on the energy level that electron is in at each stage.



- The size of the energy gap determines the colour. Would the energy gap be small, medium or large if the colour was
  - Violet?.....
  - Red?.....
  - Green?.....