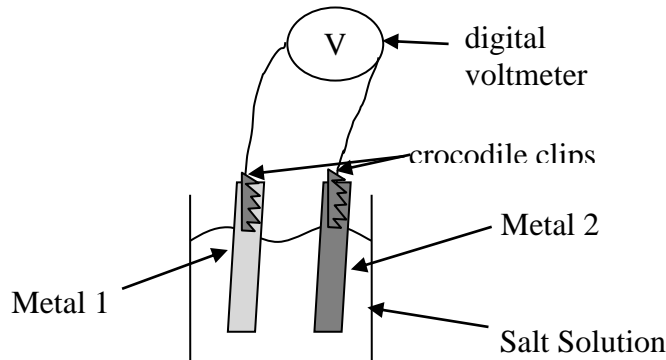


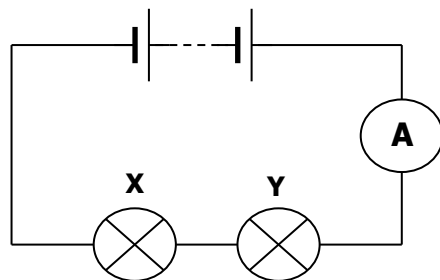
ELECTRICITY HOMEWORK 1

1. Draw the circuit symbols for a motor, a buzzer, a switch and a bulb. **2**
2. An experiment is done to compare the voltage produced by using different metals, as shown below. Use the results from the table to put the metals in their correct order within the electrochemical series. **2**



Metal 1	Metal 2	Voltage (volts)
Copper	Aluminium	1.21
Copper	Copper	0.00
Copper	Magnesium	1.49
Copper	Iron	0.78

2. What is the main difference between series and parallel circuits in terms of the number of paths? **2**
3. Look at this circuit diagram. **2**



- (a) If bulb X is unscrewed, what will happen to bulb Y? **1**
- (b) If the ammeter reads 1.2 A, what is the current in bulb X? **1**
- (c) If another bulb is added in series, what would happen to the reading on the ammeter and the brightness of the bulbs? **2**