Unit 11 - Activity 3
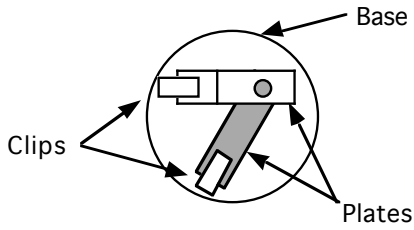

Fig 1. Clip – top view
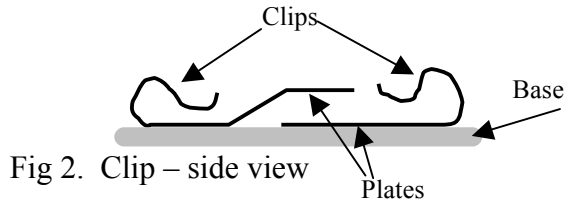

Fig 2. Clip – side view
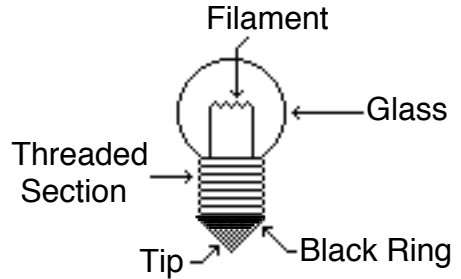
There are two clips and two plates for each socket. One clip and plate goes under the other clip and plate. The clip is where the wire connects to. The plate is what the bulb screws into. You need to label one clip and plate as "A" and the other clip and plate as "B".

Fig 3. Diagram of a bulb

What parts of a socket and bulb are conductors and which are insulators? What is the conducting path through the bulb?

Prediction(s):

Test Objects	Closed Loop?
Socket parts:	
1) Touch Clip A & Clip B	
2) Clip A & plate A	
3) Plate A & plate B	
4) Plate A & Base	
5) Clip A & Base	
Parts of the bulb:	
7) Tip of bulb	
8) Thread part	
9) Glass	
10) Black ring	
11) Tip to 1st support wire	
12) Tip to 2nd support wire	
13) Threads to 1st support wire	
14) Threads to 2nd support wire	

Observation(s):

Test Objects	Closed Loop?
Socket parts:	
1) Touch Clip A & Clip B	
2) Clip A & plate A	
3) Plate A & plate B	
4) Plate A & Base	
5) Clip A & Base	
Parts of the bulb:	
7) Tip of bulb	
8) Thread part	
9) Glass	
10) Black ring	
11) Tip to 1st support wire	
12) Tip to 2nd support wire	
13) Threads to 1st support wire	
14) Threads to 2nd support wire	

Conclusion:

Consensus: