

Name: _____

Circuit Simulator

L2

Switch

no switch



pen lid



paper clip



cork



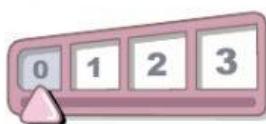
coin



Batteries



Bulbs



1. What three things could you change?

- _____
- _____
- _____

2. What material were the good switches made from?

3. Why did these switches help the bulb to light?

4. Why is it a good idea to use a switch in a circuit?

5. Is it true that it is best to use as many batteries as possible to light a bulb? Explain your answer.

6. To make sure the bulbs are lit correctly how do you judge how many batteries should be used?

7. Why do you think bulbs are 'very dim' when one battery is used with three bulbs?

8. When would a simulator like this be useful? Think about problems you might have when making circuits in the classroom.

9. The voltage of the batteries used in the simulator were all 1.5 Volts. What do you think would happen to one bulb if a 3V battery was used instead?
