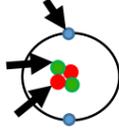
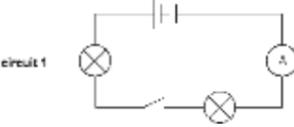
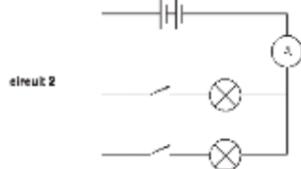
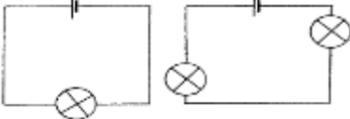
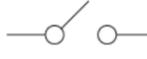
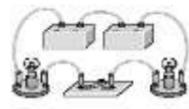
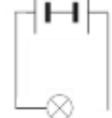
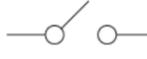
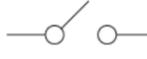


%	I can ...	Prove it!										
<p style="text-align: center;">50%</p>	<ul style="list-style-type: none"> Label a diagram of an atom. Know how to measure current in a circuit. Know how to measure voltage in a circuit. Describe the effect of adding bulbs or cells to a circuit. Identify series and parallel circuits. 	<p>1) Label the diagram of an atom with a) neutrons, b) protons and c) electrons:</p>  <p>Look at the circuits below and then answer the questions that follow:</p>   <p>2) Which part of the cell supplies the energy? _____.</p> <p>3) a) What does the A stand for? _____ b) What is being measured at A? _____</p> <p>4. What would we use to measure the voltage in the circuit? _____</p> <p>5. Which of the circuits above is a parallel circuit; circuit 1 or circuit 2? _____</p> <p>6. Which of the circuits below will have the brightest bulb/bulbs?</p>  <p>7. How could you make the bulbs even brighter?</p>										
<p style="text-align: center;">40%</p>	<ul style="list-style-type: none"> Match symbols and electrical components. Draw a simple circuit diagram. Identify electrical conductors and insulators. I can identify a metal and non-metal from its appearance and properties. Describe how current flows around a circuit. Identify magnetic and non-magnetic materials. Label magnetic poles. Predict how magnetic poles will interact. 	<p>1. Match the symbols to their electrical components:</p> <table border="0" style="width: 100%;"> <tr> <td>Cell</td> <td>Bulb</td> <td>Switch</td> <td>Buzzer</td> <td>Motor</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>2. Draw a simple circuit diagram to match this picture:</p>  <p>3. Give two reasons the bulb would not light in the circuit below:</p>  <p>a) _____ b) _____</p> <p>4. <u>Circle</u> the objects below which are electrical conductors, <u>Underline</u> the objects which are insulators:</p> <p style="text-align: center;">Copper Plastic Iron Wood Glass Steel</p> <p>5. The two magnets below are <u>attracted</u> to each other. Label the magnetic poles on to the second magnet.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px;"> N S </div> <div style="border: 1px solid black; width: 60px; height: 20px; margin-left: 20px;"></div> </div> <p>6. What material could the magnet be made of? Is that material a metal or not?</p>	Cell	Bulb	Switch	Buzzer	Motor					
Cell	Bulb	Switch	Buzzer	Motor								
												

Key Terms

- | | | | | | | | |
|--------|---------------|-----------|-----------|-----------|------------|----------|---------|
| Atoms | Protons | Neutrons | Electrons | Static | Charge | Circuit | Cell |
| Bulb | Buzzer | Motor | Switch | Conductor | Insulator | Current | Ammeter |
| Series | Parallel | Voltage | Voltmeter | Power | Resistance | Magnetic | |
| Poles | Electromagnet | Permanent | Induced | | | | |

