Electricity Review Worksheet

1. What is the continuous flow of electric charge in a material called?

2. What is the path along which electric charges flow called?

3. Explain why a current stops flowing in a light bulb when the filament breaks.

4. What kind of material do the connecting wires in a circuit have to be made of? Why? (Hint: Consider the outside AND inside of the wire you worked with in class.)

5. A student makes a circuit consisting of wires connected to a battery, lamp, and switch. However, his circuit is not working, the light bulb is not lighting up. Explain at least 3 reasons why the student’s circuit may not be working.
Answer the following questions using the diagram above.

6. Which of the circuits above represent a series circuit?

7. Which of the circuits above represent a parallel circuit?

8. If lamp 1 in circuit A burns out, what will happen to lamp 2?

9. If lamp 1 in circuit B burns out, what will happen to lamp 2?

10. Which of the circuits would you expect to see in your home and why?