

### Electric Current – 13.3



Read chapter 13.3 to help you complete this worksheet.

For any electrical device to operate, there must be a \_\_\_\_\_ (this is current!)

**Definition of electric current =**

What does an ammeter do? \_\_\_\_\_

Does an ammeter get connected **in series** or **in parallel**? (circle one)

Draw Figure 2 – this shows HOW to connect an ammeter. Draw the symbol for ammeter in the box.



### Human Body and Electric Shock

Electrical signals are sent through your nervous system using charged particles called rather than electrons.

Record what these electric currents can do to you!

0.01 A → \_\_\_\_\_

0.050 – 0.150 A → \_\_\_\_\_

1.0 – 4.3 A → \_\_\_\_\_

A wall outlet for a computer can deliver \_\_\_\_\_ amps.



**What is 'let-go' threshold?**