

Name: _____

Watt's That Symbol?

Part 1

Directions:

Watch the video available at <https://www.youtube.com/watch?v=Ij4dVhprZlw>, and answer the questions below as you watch.

Vocabulary Pre-Check:

Before you watch, circle whether you already know what these words mean.

Battery: YES/NO

Switch: YES/NO

Resistor: YES/NO

Lamp/Bulb: YES/NO

Ground: YES/NO

Circuit: YES/NO

Guided Notes:

Fill in the blanks as you watch the video:

1. A _____ is a picture that shows how electricity flows in a circuit.
2. A _____ is needed to provide power in the circuit.
3. A _____ can turn the circuit on and off.
4. A _____ makes light when current flows through it.
5. A _____ reduces or limits the amount of current in a circuit.
6. The _____ symbol shows a safe path for electricity to flow into the earth.

Name: _____

Draw the Symbols:

In the boxes below, draw each symbol as shown in the video. Label each drawing with its name and a description of its function.

Symbol Name	Picture	Purpose
Diode		
Battery		
Fuse		
Lamp/Bulb		
Variable Resistor		
Switch (Open)		
Resistor		
LED		
Ammeter		
Cell		
Switch (Closed)		
Voltmeter		

Name: _____

Part 2

Directions:

Use the symbols you learned to draw these circuits in the space provided and then answer the reflection questions.

1. A battery connected to a lamp with a switch
2. A battery connected to two lamps in series
3. A battery connected to two lamps in parallel
4. Lamp with resistor
5. Motor with battery and switch
6. Classroom lights

Reflection Questions:

1. Why do you think it's important that electrical symbols are the same worldwide?
2. Imagine someone misread a symbol on a wiring diagram. What problems could that cause?