

## Electrical Circuits

Objectives:

Demonstrate electrical skill by wiring an electrical switch leg Light switch circuit.

Materials Needed:

1 piece 14-2 wire w/ground, 1 light switch, 2 metal fixture box, 1 grounding clip, and various tools provided.

Directions:

1. Draw wiring diagram using the following letter codes  
 W = Neutral  
 B = Hot  
 G = Bare or Green grounding
2. Wire Switch to NEC code.
3. **Do Not cut wire use length given.**

Point Evaluation

	Possible	Points Earned
1. Wiring diagram drawn correctly	6	_____
2. Wire secured to box	7	_____
3. Cable covering and insulation removed properly	7	_____
4. Condition of bare conductor	7	_____
5. Length of bare conductor	7	_____
6. Proper Installation of grounding clips	7	_____
7. Proper connection to screws	7	_____
8. Work habits and shop clean-up	2	_____

Total Points Earned 50 \_\_\_\_\_

Draw and label a wiring diagram for a switch leg circuit below.



