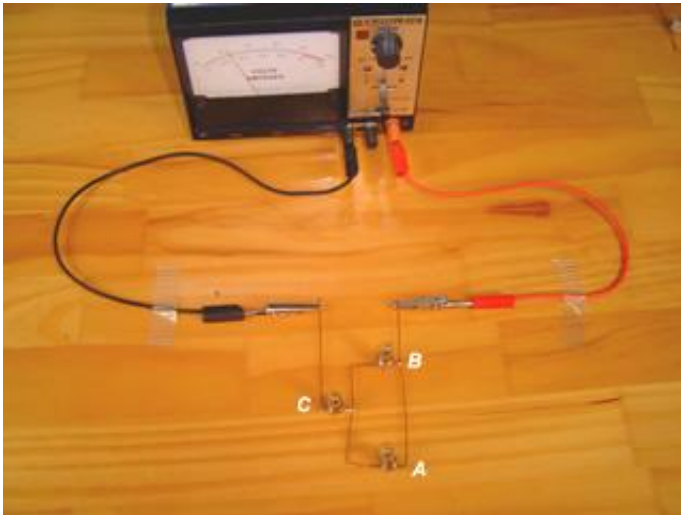
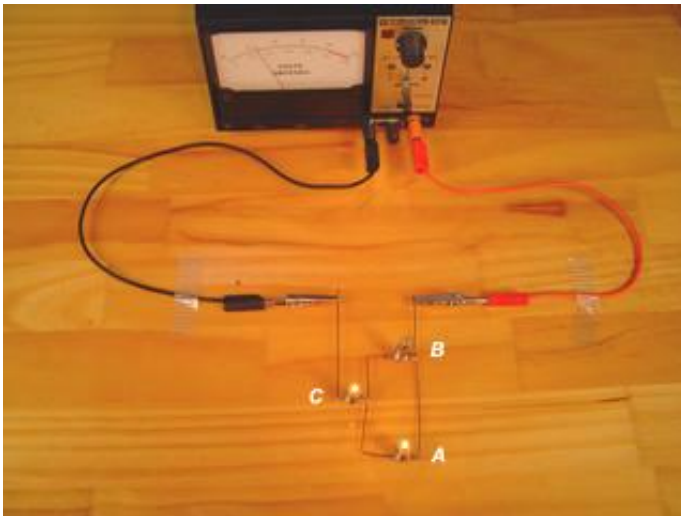


Parallel and Series Circuits Worksheet 1



Consider the circuit in the photograph at left. Draw a circuit diagram and label the light bulbs in your diagram “A”, “B”, and “C”.



Here the circuit is operated with bulb labelled “B” unscrewed, disconnecting the “B” branch of the circuit. If bulb “B” is screwed in and connected, will bulb “A” get brighter, dimmer, or remain the same? Will bulb “C” get brighter, dimmer, or remain the same? Explain your reasoning. The use of diagrams in your explanation might be helpful.

If your answer was incorrect, reread your explanation and try to find the error in your reasoning. Write a corrected explanation below.