

Worksheet

1: Draw the following circuits in the boxes

2. Use a voltmeter to measure the potential differences (PD) listed. Draw the voltmeters on your circuit diagrams

Remember to connect the voltmeter in parallel

Circuit A: 1 cell and 2 bulbs	Circuit B: 2 cells and 2 bulbs	Circuit C: 1 cell and 3 bulbs
a) PD of the cell: _____	c) PD of battery: _____ (battery = 2 cells together)	e) PD of cell: _____
b) PD of one bulb: _____	d) PD of one bulb: _____	f) PD of one bulb: _____
How does the PD of the bulb compare to the potential difference of the cell? answer:	How do these readings compare to when you used only 1 cell (CIRCUIT A answer a)? answer:	How do these readings compare to when you only used 2 bulbs? (CIRCUIT A) answer:

Observations: What did you notice about the bulbs in these 3 circuits? Explain your observations.

Worksheet

1: Draw the following circuits in the boxes

2. Use a voltmeter to measure the potential differences (PD) listed. Draw the voltmeters on your circuit diagrams

Remember to connect the voltmeter in parallel

Circuit A: 1 cell and 2 bulbs	Circuit B: 2 cells and 2 bulbs	Circuit C: 1 cell and 3 bulbs
c) PD of the cell: _____	c) PD of battery: _____ (battery = 2 cells together)	e) PD of cell: _____
d) PD of one bulb: _____	d) PD of one bulb: _____	f) PD of one bulb: _____
How does the PD of the bulb compare to the potential difference of the cell? answer:	How do these readings compare to when you used only 1 cell (CIRCUIT A answer a)? answer:	How do these readings compare to when you only used 2 bulbs? (CIRCUIT A) answer:

Observations: What did you notice about the bulbs in these 3 circuits? Explain your observations.