



MAKER JOURNAL

Name: _____

Date: _____

Unit: Electrical Engineering Game Board Design Challenge Lesson 4: Getting Directional with Diodes

Watch the videos in the External Resources section of the lesson. Then, answer the following questions.

Questions:

What are diodes?

What is a P-N junction? What materials is it made of?

How can one side of the P-N junction become more positive or more negative? How does this affect electric current flow through the diode?

Describe how a diode can be used to control the flow of electric current through a circuit. What does this mean in terms of the electric forces in the circuit?



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After you build your diode circuits draw them in the space provided, making sure to use the correct schematic symbols.

Diode Circuit #1: Two (2) bulbs light up

Blank space for drawing Diode Circuit #1.

Diode Circuit #2: One (1) bulb lights up

Blank space for drawing Diode Circuit #2.