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*Introduction To Analog Electronics – Lesson 4: Zener Diodes*

## HOMEWORK

The following homework questions are meant to go with the online lesson found here:  
[http://www.pyroelectro.com/edu/analog/zener\\_diode/](http://www.pyroelectro.com/edu/analog/zener_diode/)

### HOMEWORK QUESTION 1

What is the unique attribute of every zener diode?

### HOMEWORK QUESTION 2

How is a zener diode different than a normal diode?

### HOMEWORK QUESTION 3

How could a zener diode be used to protect an input from a larger than expected voltage?

### HOMEWORK QUESTION 4

Draw the circuit diagram of a battery, resistor and zener diode that provides an output voltage at the zener diode's 'knee' voltage.

### ADDITIONAL INFORMATION

To get feedback on your homework or to ask additional questions related to this lesson, please post your homework answers or your questions in the online forums at:

<http://www.pyroelectro.com/forums/>