

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_/8

## 3D Circuitry Basics to Electronics and Soldering Quiz

*Multiple Choice - Please circle one answer only to each question.*

1.) *The soldering iron should be held on components for only:*

- a.) 1 - 2 Seconds
- b.) 10 - 12 Seconds
- c.) 1 - 2 Minutes
- d.) 1 - 30 Seconds

2.) *The colored rings on a resistor are used to calculate the resistors:*

- a.) Ohms
- b.) Current
- c.) Voltage
- d.) Flux

3.) *The toughest LED color to make was:*

- a.) Red
- b.) Green
- c.) Blue
- d.) White

4.) *PCB stands for:*

- a.) Printed Circuit Box
- b.) Projected Circuit Board
- c.) Plyometric Circuit Band
- d.) Printed Circuit Board

*True/False - Please write a T for True or F for False*

5.) \_\_\_ *An LED can be placed in a circuit board in any orientation.*

6.) \_\_\_ *A circuit board only comes in the color green.*

7.) \_\_\_ *A resistor is required to power an LED.*

8.) \_\_\_ *Circuit boards remove the need to physically wire electronics.*

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