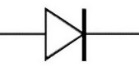
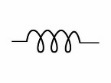
144 – Entrance / EXIT - assessment rev 3/11/2020

Student full name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A micrometer is used to measure the depth of a hole True False
2. A caliper can be used to measure the diameter of a round hole True False
3. Tolerance is the same as precision True False
4. A digital multimeter measures electronic waves True False
5. A breadboard is something we solder components to True False
6. A schematic is a plan of how electronic components are connected True False
7. Solder is special metal wire that melts so it can stick to other metal True False
8. Polarity means something has a particular direction that it must be connected True False
9. An oscilloscope measures an electronic wave True False
10. With current staying the same, an crease in the resistance will cause an increase in the voltage True False
11. A short circuit has **no** resistance True False
12. An open circuit has **low** resistance True False
13. The height of a sine wave is called the amplitude True False
14.  This symbol, used in electronics, represents a: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. It is good to connect one end of an LED directly to power and the other to ground True False
16. When properly reading the color bands of a resistor, what value does a red red orange resistor have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17.  This symbol, used in electronics, represents a: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. When a diode is working properly, it **will** allow current to flow in any directionTrue False
19.  This symbol, used in electronics, represents a: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
20. How do you know which pin is “pin 1” on an electronic chip? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
21. What pin is the power pin on IC chips \_\_\_\_\_\_\_\_\_\_\_\_\_
22. A 7408 chip is a package of AND gates True False
23. Identify the following symbol used in electronics: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_