

Use the words in the list to complete the sentences.



1. A diode allows _____ to flow in only one direction.
2. A push button switch can either _____ or _____ the path of electrical flow in a circuit.
3. A transistor allows current to flow from the _____ to the _____ when voltage is applied to the _____.
4. The _____ chip creates repeating pulses of electricity.
5. The _____ chip allows circuits to count pulses from 1 to 10 like we do!
6. The _____ makes the 7 Segment Display show the correct number in response to a 4-bit binary input.
7. On the breadboard, the red(+) and blue(-) vertical columns are called the _____.
8. On an LED the long pin is called the _____ and the short pin is called the _____.
9. If an object is _____ it will allow electricity to flow through it.
10. A _____ is just a resistor that lets you change the resistance value!
11. Simple circuits can be combined to make _____.
12. _____ can make a wide variety of tones while _____ can only make a singular tone.
13. A circuit diagram uses universal _____ to represent electrical _____ so that anyone in the world can read them.
14. A multimeter is used to measure _____, _____, and _____.
15. _____ are used on the breadboard to connect the components in the circuit together.



WORD LIST

4511
symbols
complex circuits
connect
Power Rails
components
emitter
conductive
collector
Base
buzzers
555
wires
amperage
electricity
voltage
disconnect
anode
potentiometer
4017
resistance
speakers
cathode

