

Score: \_\_\_\_\_

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| Arduino Camp Pre & Post Knowledge Survey. |
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Name: \_\_\_\_\_

1. Arduino is a(n) \_\_\_\_\_.
  - A. micro-processor
  - B. full computer
  - C. micro-controller
  - D. smart phone
2. An LED allows electricity to flow \_\_\_\_\_.
  - A. 1-way.
  - B. 2-ways.
  - C. 4-ways.
  - D. does not allow electricity to flow at all.
3. Between +5V and GND (0V) an LED should have a(n) \_\_\_\_\_.
  - A. motor
  - B. resistor
  - C. transistor
  - D. digitalWrite()
4. In Arduino Code (C) the correct way to declare and set an "int" variable to 2 is \_\_\_\_\_.
  - A. float 2 = x;
  - B. int x j= 2;
  - C. set int x to 2;
  - D. int x = 2;
5. The tone of the buzzer can be changed by changing the \_\_\_\_\_ of the signal.
  - A. Frequency (Hz)
  - B. analogRead()
  - C. LED
  - D. password
6. What will NOT dim an LED?
  - A. PWM (duty cycle).
  - B. photo resistor.
  - C. resistor.
  - D. amplifier.
7. What command will turn ON the LED on pin 13?
  - A. digitalRead(13);
  - B. digitalWrite(13, LOW);
  - C. digitalWrite(13, HIGH);

D. pinMode(13, OUTPUT)

8. How many times will this command loop before exiting? for(index = 0; index <= 7; index++)

A. 0

B. 6

C. 7

D. 8