

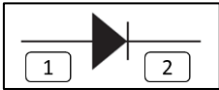


Pop Quiz

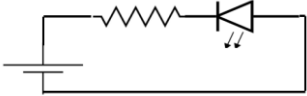
Grade	10 ADV	Unit		Lesson	5	Coursebook Page	105-113
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Student Name		Class		Date	
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1	Which of the following best describes an LED?	
	A	An electronic component that generates sounds of different frequencies
	B	A diode that emits light when current passes through it
	C	A device that converts electrical energy into mechanical energy
D	A computer system with a specific function, inside a larger mechanical or electrical system	

2	Look at the figure and choose the correct diode terminal for each number.	
		
	A	1. Anode (-) 2. Cathode (+)
	B	1. Cathode (+) 2. Anode (-)
	C	1. Anode (+) 2. Cathode (-)
D	1. Cathode (-) 2. Anode (+)	

3	Which of the following describes leg Number 2 of the diode in the figure above?	
	A	Shorter
	B	Cathode
	C	Negative (-)
D	All of the above	

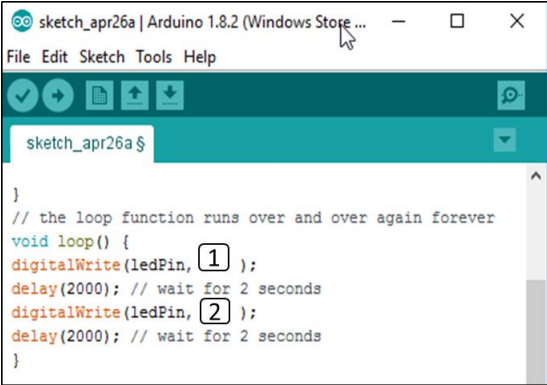
4	Look at the figure what will happen to the LED	
		
	A	The LED will be Off
B	The LED will be ON	
C	The LED will damage	



Pop Quiz

D All of the above

5 Fill the missing in the code below to turn the LED on, wait for two seconds, turn it off, and wait for two seconds.



```
sketch_apr26a | Arduino 1.8.2 (Windows Store...  
File Edit Sketch Tools Help  
sketch_apr26a $  
}  
// the loop function runs over and over again forever  
void loop() {  
  digitalWrite(ledPin, [1]);  
  delay(2000); // wait for 2 seconds  
  digitalWrite(ledPin, [2]);  
  delay(2000); // wait for 2 seconds  
}
```

A 1. LOW 2. LOW
B 1. LOW 2. HIGH
C 1. HIGH 2. LOW
D 1. HIGH 2. HIGH

6 which of the following apply delay for 5 second

A delay(5);
B delay(500);
C delay(5000);
D None of the above

7 To control the LED ON or OFF the pin need to be set as OUTPUT in

A Setup function
B Loop function
C Mood function
D NONE of Above



Pop Quiz

Total Marks

Answer Key

Q1	B
Q2	C
Q3	D
Q4	A
Q5	C
Q6	C
Q7	A