

Q1

Station 1

This is a form of energy produced by moving electrons-

- A) electricity
- B) switch
- C) circuit
- D) thermal

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Q2

Station 1

Which is a closed pathway through which electrons are conducted?

- E) electricity
- F) current
- G) switch
- H) circuit

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Q3

Station 1

This is the flow of electricity around a circuit-

- J) current
- K) circuit
- L) electricity
- M) switch

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Q4

Station 1

Which of the following is a device that opens or closes a gap in a circuit?

- N) current
- O) circuit
- P) switch
- Q) electricity

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Q1

Station 2

What is the energy source in an electric circuit?

- A) a copper wire
- B) light bulb
- C) a switch
- D) a battery

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Q2

Station 2

Which material is a conductor?

- A) rubber
- B) glass
- C) copper
- D) wood

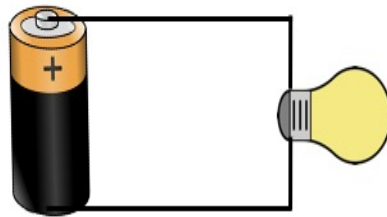
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Q3

Station 2

For a circuit to be complete, you must have a-

- A) bulb
- B) switch
- C) conductor
- D) complete path



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Q4

Station 2

For a circuit to have a complete path, the switch must be-

- A) open
- B) closed
- C) unattached
- D) partially open

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Q1

Station 3

When a switch is open the light-

- A) stays off
- B) comes on
- C) turns on light bulbs not connected to it
- D) burns out the light bulb



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Q2

Station 3

The rubber around the power cord of a computer is-

- A) an insulator
- B) a conductor
- C) a light bulb
- D) a battery

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Q3

Station 3

A battery has two charged end which are-

- A) both negative
- B) both positive
- C) one positive, one negative
- D) neither are positive or negative



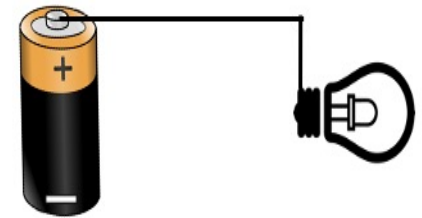
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Q4

Station 3

Why is the light bulb not turned on?

- A) there is a complete path
- B) the path is incomplete
- C) the battery is dead
- D) there's no switch



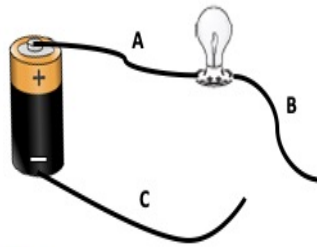
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Q1

Station 4

The diagram below shows an incomplete circuit that includes a battery, wires, and a bulb. The bulb isn't lit. What should be done in order to complete the circuit and turn on the light bulb?

- A) Remove wire A
- B) Remove the battery
- C) Connect wires B and C
- D) Connect wires A and B



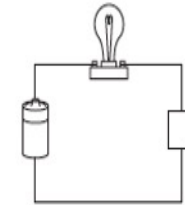
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Q2

Station 4

An electrical circuit is shown below. Which object could be used in the box to complete the circuit?

- E) a piece of plastic
- F) aluminum foil
- G) a rubber band
- H) a wooden stick



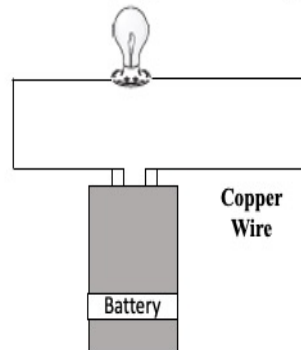
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Q3

Station 4

The diagram shows an electrical circuit. The purpose of the copper wire is to-

- A) conduct electricity
- B) produce electricity
- C) stop the flow of electricity
- D) store electricity



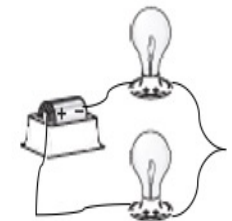
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Q4

Station 4

The diagram shown below is of an electrical circuit. The circuit is a series circuit because-

- E) it uses only 1 battery
- F) the current is divided into multiple paths
- G) it has 2 light bulbs
- H) the same current flows through both light bulbs



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Q1

Station 5

Which of the following groups contains items that would all conduct electricity to complete a circuit?

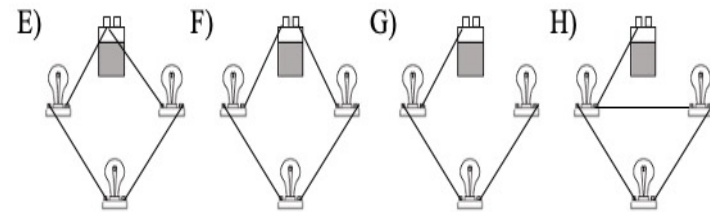
- A) screw, rubber ball, plastic comb
- B) paper clip, penny, nail
- C) cork, dollar bill, aluminum foil
- D) spoon, eraser, iron bolt

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Q2

Station 5

A science class used a battery, some copper wires, and 3 light bulbs to create electric circuits. Which of these diagrams would make the 3 light bulbs turn on?



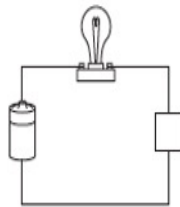
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Q3

Station 5

Which of the following would not cause the light bulb to light if connected to the wires?

- J) copper penny
- K) iron nail
- L) spoon
- M) plastic toy



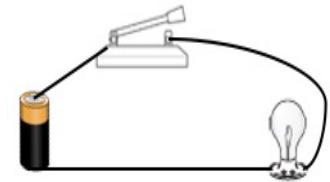
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Q4

Station 5

Look at the electrical circuit below. What must be done to turn the light bulb on?

- P) replace the bulb
- Q) use an insulator for the wires
- R) allows people to see reflection
- S) close the switch



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