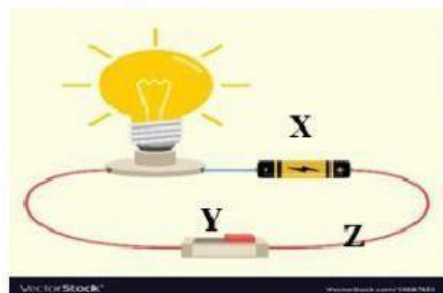


## Science – Electrical Circuits

The diagram shows a simple circuit.



1. Name the parts of the circuit labelled X, Y and Z.  
X \_\_\_\_\_  
Y \_\_\_\_\_  
Z \_\_\_\_\_
2. Write the letter of the path that best matches each statement.
  - i. Provides the power source \_\_\_\_\_
  - ii. Path for electrons to flow \_\_\_\_\_
  - iii. Opens or closes the circuit \_\_\_\_\_
3. Explain what happens to the light bulb when the switch is closed. (1)  
\_\_\_\_\_
4. What is the name given to an object that does not allow electrons to flow through it easily?  
\_\_\_\_\_
5. Which object is the best conductor of electricity?
  - a. Plastic
  - b. Glass
  - c. Cooper
6. Mr. Smith works at an electrical plant. He wears rubber gloves to work every day. Explain why Mr. Smith uses these gloves daily. (1)  
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