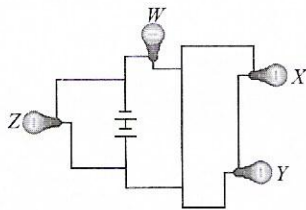


48. There is a fused bulb in the given circuit. This causes only one bulb to remain lit.



- Which is the fused bulb in the circuit?
- A. W
B. X
C. Y
D. Z

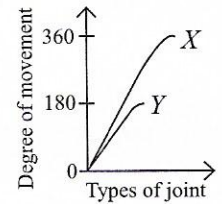
49. Read the given paragraph carefully.

Sneha took two food items, X and Y. She added some water to each of them separately to make solutions. After that she added iodine solution to these solutions. Solution X changed colour from brown to black whereas colour of solution Y remained unchanged. She then took fresh samples of food items X and Y and chewed them separately and spit them out. She again made separate solutions of these semi-digested chewed foods X and Y. Now, she added Benedict's solution to each of them and heated them. Solution X turned into reddish orange colour while colour of solution Y remained unchanged. Identify X and Y and select the correct statement regarding them.

- A. X consists of carbon, hydrogen and oxygen whereas Y consists of carbon, hydrogen, nitrogen and oxygen.

- B. X is body building food whereas Y provides energy to the body for carrying out our daily activities.
C. X consists of simple sugar which when chewed, is semi-digested by salivary amylase and gets converted to starch.
D. X prevents the loss of heat from body and provides cushion to the internal organs whereas Y helps in boosting immunity of body.

50. The given graph shows the comparison of degree of movement of bones allowed by two different joints, X and Y. Identify the joint types and select the correct option regarding them.



- A. Joint X allows movement of bones only in one plane whereas joint Y allows movement in all planes.
B. A person with injured Y joint finds it difficult to rotate his head.
C. In X joint, ball like structure of one bone fits into the socket like structure in another bone.
D. Tennis elbow is a painful condition in which X joint gets injured.

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