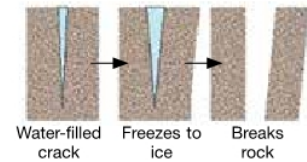


30. Which property of water causes the phenomenon as shown in the given figure?

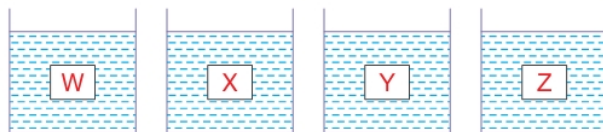
- A. Water solidifies when cooled down.
- B. Water expands on freezing.
- C. Water takes up space.
- D. Water has volume.



ACHIEVERS SECTION

Direction : Refer to the given diagram and table to answer the questions 31 and 32.

Four thin sheets of materials W, X, Y and Z of similar sizes, were weighed individually before they were put into four beakers containing equal amounts of water. After 15 minutes, each sheet was weighed again. Their masses were recorded in the table.



Material	Mass at the beginning	Mass after 15 minutes
W	8 g	16 g
X	10 g	10 g
Y	12 g	14 g
Z	13 g	18 g

31. Which material absorbs the most amount of water?

- A. W
- B. X
- C. Y
- D. Z

32. Which material is the most suitable for making a tent?

- A. W
- B. X
- C. Y
- D. Z

33. A torchlight was placed at point P and the length of the shadow of pen on the screen was measured to be 12 cm.



The experiment was repeated with the pen shifted to point Q as indicated in the diagram above. What is most likely the length of the shadow formed this time?

- A. 0 cm
- B. 10 cm
- C. 12 cm
- D. 14 cm

SPACE FOR ROUGH WORK