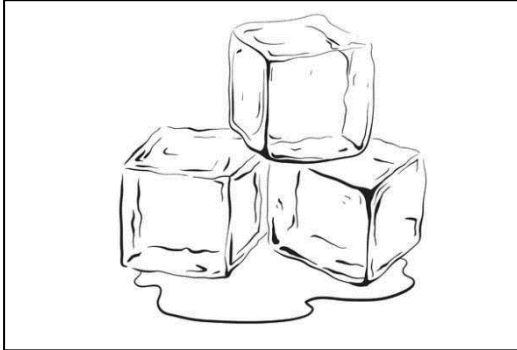


SCIENCE - GRADE 5

The three states of water: Ice (Solid state) - ANSWERS

1. The figure below shows some ice cubes



(a) Write **TRUE** or **FALSE** in each box.

(i) Ice is very cold.

True

(ii) Ice is water in the liquid form.

False

(iii) Ice is hard.

True

(b) Write down **two uses of ice** at home.

(i) To make cold drinks.

(ii) To relieve pain.

(c) List **two properties of ice** which allow us to practise **skiing and skating**.

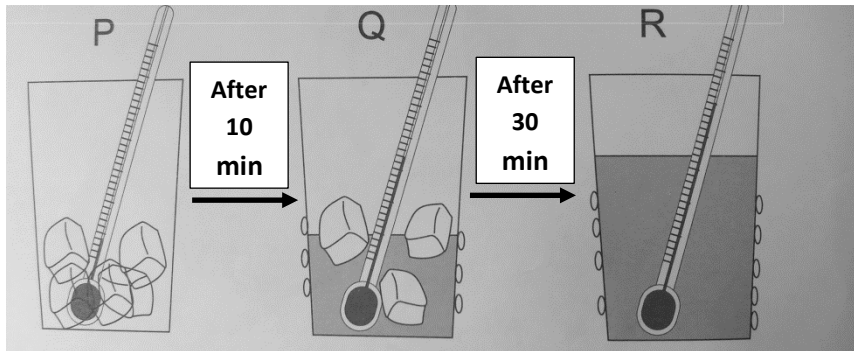
(i) Ice is hard.

(ii) Ice is slippery.

(d) Explain why there is often snow on the top of very high mountains (for example, Mt Everest).

On very high mountains, it is very cold. So water changes into solid ice or snow.

2. Some ice cubes were taken from a freezer and placed in a glass. The temperature was measured immediately, then after 10 minutes and finally after thirty minutes. The figure below shows what happened.



- (i) Write down the **approximate temperature** shown by the thermometer at **P**, **Q** and **R**. Choose your answer from the boxes given below:

4°C

Less than 0°C

12°C

P: **Less than 0°C**

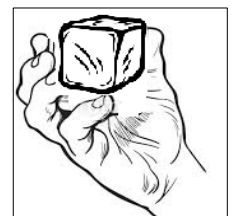
Q: **4°C**

R: **12°C**

3. Complete the blanks with the words given below.

increases - liquid - temperature - melt - heat - solid

Ice is water in the **solid** state. In a freezer, its **temperature** is below 0°C. When ice is taken out of the freezer, it gets **heat** from outside. The temperature **increases** gradually. At 0°C, it starts to **melt**. It then becomes **liquid** water.



4. What happens to an ice cube if we hold it in our hands for some time ?

The ice cube will start to melt.

5. From where does the ice cube get heat ?

The ice cube gets heat both from my hand and from the air around us.