

WORKSHEET OF SCIENCE
For the month of April

Class IX

Name

Roll no.

1. Some common salt is placed in 50ml of water in a 100ml graduated cylinder. The mixture is stirred with a glass rod. Give reasons-

What do you think has happened to the common salt? (1)

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Where does it disappear? (1)

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Does the level of water change? (1)

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2. Ans. the following.

i) A gas takes the shape of the container in which it is kept. Why? (2)

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ii) We can easily smell the intense sticks burning at a distance. How? (2)

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iii) A diver can easily move through water in a swimming pool but we can't move through a cemented wall. Why? (2)

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iv) A desert cooler better in a hot dry day. Why? (2)

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v) Naphthalene balls disappear with time without leaving any solids. Why? (2)

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4. Convert the following. (4)

i) 330 Kelvin to $^{\circ}\text{C}$

ii) 67°C to Kelvin

iii) 556 Kelvin to $^{\circ}\text{C}$

iv) 200°C to Kelvin

5. A sample of water is heated from 25°c to 33°c. What were the initial and final readings of temperature on the Kelvin scale? Initial Final (1)

How much was the rise in temperature on Celsius scale? (1)

How much was the rise in temperature on Kelvin scale? (1)

6. Define the following terms. (1 X5)

i) rigidity
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ii) fluidity
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iii) Compressibility
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iv) Kinetic energy
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v) Density
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