

CREST Science Olympiad (CSO) Worksheet *for*

Class 4



Topic

State of Matter and Change of State

Worksheet on State of Matter and Change of State

1. Fill in the blanks:

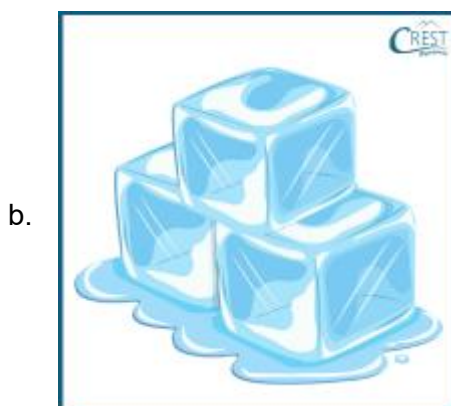
When water condenses, it changes from a _____ to a _____.

- a. gas, liquid
- b. liquid, gas
- c. gas, solid
- d. liquid, solid

2. Rico wants to show his friends how evaporation happens. Which experiment would be the most suitable for him to demonstrate this process?

- a. Freezing water
- b. Mixing two different liquids together
- c. Leaving a wet towel in the sun and observing changes
- d. Watching the ice cubes melt

3. Which of the following is an example of a physical change?



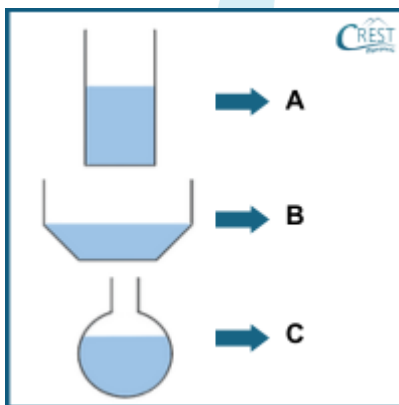
c.



d.



4. The images below show the same amount of water poured into different containers. Which property of the water is different in the two images?



- a. Mass
 - b. Volume
 - c. Temperature
 - d. Shape
5. What happens to the particles of matter when a substance is heated?
- a. They move slower
 - b. They become larger
 - c. They move faster
 - d. They arrange in a more orderly manner

Answer Key

1. a - When water condenses, it changes from a gas to a liquid.
2. c - Sunlight provides heat energy that causes the water in the towel to evaporate, resulting in the towel drying up. By observing this process, Rico can show his friends how water can turn into vapour through evaporation when exposed to heat.
3. b - Melting of ice is an example of a physical change. In this process, the solid ice changes into liquid water without any new substances being formed.
4. d - The shape of the water changes as it is poured into different containers. The mass, volume and temperature will remain the same.
5. c - When something is heated, the particles inside it become more active and move faster.

More Questions Coming Soon – Keep Learning!



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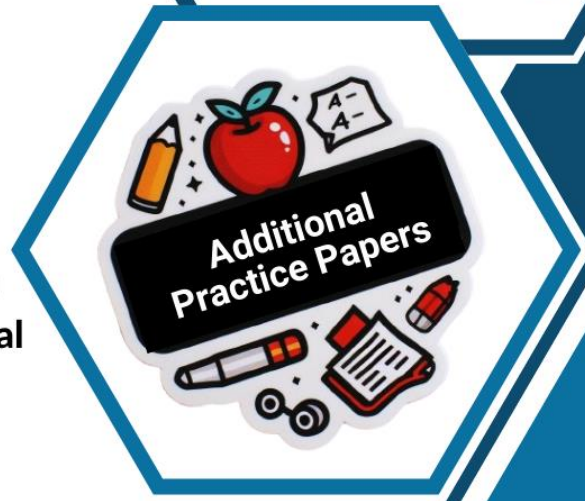
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