

CREST Science Olympiad (CSO) Worksheet *for* Class 3



Topic

Matter and its States



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Worksheet on Matter and its States

1. Michael and his friends are playing with a ball shown in the picture. Which states of matter accurately represent the ball?



- a. Solid only
- b. Liquid only
- c. Gas only
- d. Solid and gas

2. Which of the following will lose its shape if kept out in sunlight?

a.



b.



c.



d.



3. Look at the picture below and identify the phenomena.






- a. Evaporation
- b. Melting
- c. Condensation
- d. Boiling

4. Which material do you think would be better for making a raincoat?

- a. Cotton fabric
- b. Plastic
- c. Paper
- d. Glass

5. Match the following.

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Column I	Column II
1) 	A) Solid
2) 	B) Liquid
3) 	C) Gas

- a. 1:A, 2:B, 3:C
b. 1:C, 2:A, 3:B
c. 1:B, 2:A, 3:C
d. 1:A, 2:C, 3:B

Answer Key

- d - Football is made of solid materials such as rubber and contains air inside to make it bouncy. Therefore, both solid and gas states of matter are present in the ball.
- b - The ice cream will melt and lose its shape due to an increase in temperature.
- c - The picture shows the phenomenon of condensation. This occurs when water vapour in the air comes into contact with a colder surface (the glass), causing the vapour to cool and change into liquid droplets.
- b - Plastic is a suitable choice for a raincoat because it is waterproof.
- d -
Molecules are closely packed in solids.
In liquids, the molecules are not very closely packed.
In gases, molecules are placed far apart from each other.

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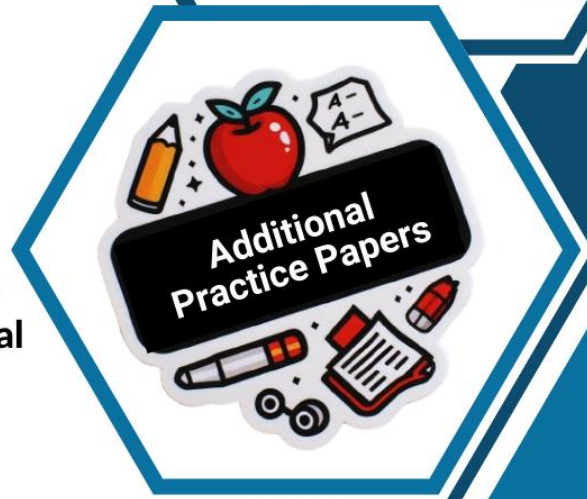
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