

**A Multiple Choice Questions.**

- Gandhi ji marched from _____ to _____ to protest against salt law.
 - Goa to Mumbai
 - Ahmedabad to Dandi
 - Gandhinagar to Dandi
 - Mumbai to Ahmedabad
- Salt and sugar easily dissolve in water because they are _____ in nature.
 - Immiscible
 - Sparingly soluble
 - Insoluble
 - Soluble
- A boat floats on water but a needle sinks down, it is due to _____.
 - density of water
 - Volume
 - weight
 - None
- How can mud be separated from muddy water?
 - Evaporation
 - Decantation
 - Filtration
 - All of these
- All oceans and seas have _____ water.
 - Sugary
 - Sweet
 - Salty
 - Spicy
- Dandi March took place in the year _____.
 - 1920
 - 1946
 - 1930
 - 1948
- The British laid heavy taxes on _____.
 - Sugar
 - Transport
 - Food
 - Salt
- The quantity of salt dissolved per litre of water in the Dead sea is _____.
 - 300 grams
 - 400 grams
 - 200 grams
 - 500 grams
- How will you separate salt from water?
 - Condensation
 - Can't separate
 - Evaporation
 - Filtration
- _____ is the liquid which is called the universal solvent.
 - Milk
 - Kerosene
 - Water
 - Petrol

B Write true or false for the following statements:

1. It isn't important to save water because there is so much of it on Earth. _____
2. A flat dough will float on oil whereas puffed puri sink in it. _____
3. Soap and soap case both float in water. _____
4. A person cannot get drown in Dead sea. _____
5. Puffed puri in water will float. _____
6. Oil flows faster than water. _____
7. The amount of water will reduce after heating it for a long time. _____
8. Things with high density float in water. _____
9. Ammi's puri puffed up in hot oil. _____
10. Some things float in water while other sinks, it is due to density of water. _____

C Separate the given objects in one of the two types.

leaf, ice, sand, aluminium foil, pencil, Stone, bottle cap, soap, nail, paper, feather, A marble, spoon, Sponge, A bunch of keys, empty plastic bottle, Paper clip, bottle full of water, balloon, Pin, Coin, Eraser, wooden boat, A Cotton ball.

Objects that sink in water	Objects that float in water

D Give reasons.

1. Puris float on the oil while frying.

Ans. _____

2. A soap case floats in a bucket of water while a cake of soap sinks.

Ans. _____

3. A nail made of iron sinks in water. A ship made of iron floats on water.

Ans. _____

E Answer the following questions.

1. How salt can be obtained from seawater?

Ans. _____

2. Why do a person who cannot swim, will not drown in the Dead sea?

Ans. _____

3. Why do clothes dry faster on a sunny day than on a cloudy day?

Ans. _____

4. What happens on adding salt to the water in which eggs are boiled? Why?

Ans. _____

Answer

- A.
- | | | |
|-----------------------|--------------|---------------------|
| 1. Ahmedabad to Dandi | 2. Soluble | 3. density of water |
| 4. Filtration | 5. Salty | 6. 1930 |
| 7. Salt | 8. 300 grams | 9. Evaporation |
| 10. Water | | |

- B.
- | | | | | |
|----------|----------|----------|---------|----------|
| 1. False | 2. False | 3. False | 4. True | 5. False |
| 6. False | 7. True | 8. False | 9. True | 10. True |

C.

Objects that sink in water	Objects that float in water
Eraser, Soap, Nail, A marble spoon, Bottle full of water, Pin, Coin Stone, Paper clip, Sand, A bunch of keys	Leaf, aluminium foil, bottle cap, paper feather, empty plastic bottle, pencil, wooden boat, Ice, Cotton ball Sponge, balloon

- D.
1. Puris float on oil as the hot oil makes the puri rise up and gets filled up with air. The air being lighter than the oil makes the puris float on oil.
 2. As the soap dish is made up of plastic with a density less than water and less light it floats while the soap cake is denser than the water sinks.
 3. The density of nails (as of iron) is much larger than the water. So it sinks easily.

- E.
1. Common salt is obtained from sea water by the process of evaporation. Sea water contains a lot of dissolved salts and when the evaporation of seawater occurs, these salts are left behind.
 2. The Dead Sea is highly saline that is salt content is very high. Due to the high salt content, the water of Dead Sea is denser than the freshwater. So, objects which are less denser than the salty water will float as seen in case of human beings whose density is less than the density of Dead Sea water.
 3. The temperature on a sunny day is higher than that on a cloudy day. Now, as the rate of evaporation increases with the increase in temperature, wet clothes dry faster on a sunny day than on a cloudy day.
 4. Salt is added to the water when boiling eggs as the addition of salt help in reducing the vapour pressure of the liquid. Which in turn increases, the boiling point i.e. the temperature at which the vapour pressure equals the atmospheric pressure.