

Air, Water and Weather

Science · Class 2 · Topic-wise Practice Worksheet

TIME 35 minutes	QUESTIONS 15	TOTAL MARKS 18	MAX. SCORE ___ / 18
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Name: _____ Class/Sec: _____ Date: _____

INSTRUCTIONS

- There are **15 questions**. Answer all of them.
- Each question has four choices — (A), (B), (C) and (D). Only **one** is correct.
- Questions 1–12 carry **1 mark** each. Questions 13–15 carry **2 marks** each.
- There is no negative marking. Look at every picture and table carefully.

Section A — Air and Water Around Us

Q1–Q8 · 1 mark each

- The blanket of air all around the earth is called the _____.
 (A) Atmosphere (B) Ocean
 (C) Desert (D) Forest
- Which gas in the air do we need for breathing?
 (A) Dust (B) Smoke
 (C) Oxygen (D) Steam
- Water changes into water vapour when it is _____.
 (A) Cooled (B) Coloured
 (C) Frozen (D) Heated
- Clouds are made of _____.
 (A) Countless tiny drops of water (B) Smoke
 (C) Cotton (D) Dust only
- Which of these is a source of **fresh** water?
 (A) The sea (B) A river
 (C) The ocean (D) A salt pan
- Which of these makes the air **dirty**?
 (A) Planting trees (B) Rain
 (C) Smoke from vehicles (D) Wind
- Which of these should we do to save water?
 (A) Let pipes leak (B) Leave the tap running
 (C) Wash the car with a hose every day (D) Close the tap while brushing our teeth

8. Moving air is called _____.

(A) Wind

(B) Rain

(C) Snow

(D) Fog

Section B — Weather and Seasons

Q9–Q12 · 1 mark each

9. The diagram shows how water travels round and round in nature. What happens at stage Q?

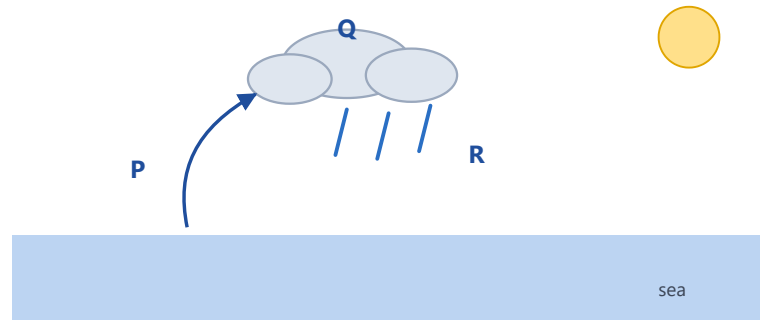


Fig. 9.1 — Water moving round in nature

(A) Water turns into vapour and rises

(B) Water vapour cools and forms a cloud

(C) Water falls back as rain

(D) Water flows into the sea

10. In which season do we see the most rain in India?

(A) Summer

(B) Winter

(C) The rainy season

(D) Spring

11. Wet clothes dry **fastest** on a day that is _____.

(A) Rainy

(B) Cold and still

(C) Cloudy and damp

(D) Hot and windy

12. Which of these tells us that air takes up space?

(A) A balloon puffs up when we blow into it

(B) A stone sinks in water

(C) The sun is hot

(D) Ice is cold

Achievers Section

Q13–Q15 · 2 marks each

13. A glass of cold water is left on a table. After a while, drops of water appear on the outside of the glass. Where do these drops come from?

(A) The water leaks out through the glass

(B) Water vapour in the air cools on the glass and turns into drops

(C) The glass melts a little

(D) Someone has splashed water on it

14. Why is it not safe to drink water straight from a pond?

(A) Because it is too cold

(B) Because it is salty

(C) Because it has germs and dirt that can make us ill

(D) Because there is too little of it

15. Two wet handkerchiefs are hung out. One is spread wide open and the other is left folded. Which will dry first, and why?

(A) The folded one, because it is smaller

(B) The spread one, because more of its surface meets the air

(C) Both at the same time

(D) Neither will dry

Answer Key

1	A	2	C	3	D	4	A	5	B
6	C	7	D	8	A	9	B	10	C
11	D	12	A	13	B	14	C	15	B

Solutions

1. Answer: (A) Atmosphere

The layer of air that surrounds the earth is the **atmosphere**. It gives us the air we breathe and protects us from the sun's harmful rays.

2. Answer: (C) Oxygen

We breathe in air and our body takes the **oxygen** from it. Every living thing needs oxygen to stay alive.

3. Answer: (D) Heated

On **heating**, water turns into invisible water vapour and rises into the air. This change is called evaporation.

4. Answer: (A) Countless tiny drops of water

When water vapour rises high into the sky it cools and turns into **countless tiny drops of water**, which together form a cloud.

5. Answer: (B) A river

A **river** carries fresh water that we can drink after cleaning. Sea and ocean water is salty and unfit for drinking.

6. Answer: (C) Smoke from vehicles

Smoke from vehicles and factories fills the air with harmful gases and dust. This is called air pollution.

7. Answer: (D) Close the tap while brushing our teeth

Closing the tap while brushing saves many litres of water each day. The other three habits waste it.

8. Answer: (A) Wind

Air on the move is called **wind**. Wind turns windmills, flies kites and pushes sailing boats along.

9. Answer: (B) Water vapour cools and forms a cloud

Q labels the cloud. As the rising vapour reaches the cooler air high above, it turns back into tiny drops that gather as a cloud — so at Q the **water vapour cools and forms a cloud**. P is evaporation and R is rainfall.

10. Answer: (C) The rainy season

Most of India's rain falls in the **rainy season**, when the monsoon winds bring moist air from the sea.

11. Answer: (D) Hot and windy

Heat turns the water into vapour faster and wind carries the vapour away, so clothes dry fastest on a **hot and windy** day.

12. Answer: (A) A balloon puffs up when we blow into it

When we blow into a balloon it swells, which shows that the air inside is **taking up space**. Air is all around us even though we cannot see it.

13. Answer: (B) Water vapour in the air cools on the glass and turns into drops

There is always invisible water vapour in the air. When it touches the cold surface it loses heat and turns back into liquid, so **water vapour in the air cools on the glass and turns into drops**. Glass does not leak or melt.

14. Answer: (C) Because it has germs and dirt that can make us ill

Pond water looks clear but it **has germs and dirt that can make us ill** with diseases such as diarrhoea. Water must be boiled or filtered before drinking.

15. Answer: (B) The spread one, because more of its surface meets the air

Water changes into vapour at the surface that touches the air. **The spread one dries first, because more of its surface meets the air**, so evaporation happens faster.