Class 4 EVS Worksheet: Water

Practice Set 3

Name: _____	Date: _____

A. Choose the correct option.

1. Which statement about water is correct?

a) It has a strong smell
b) It is colourless and odourless
c) It is always solid
d) It is red in colour

2. Rainwater that seeps into the ground becomes _____.

a) snow
b) groundwater
c) water vapour
d) a cloud

3. Water droplets mix with _____ to form clouds.

a) dust and other things
b) sand
c) salt
d) oil

4. Which method can be used at home to purify water?

a) Boiling
b) Desalination
c) Freezing
d) Evaporation

5. In the purification plant diagram, what happens in step 5?

a) Alum is added
b) Water is stored in large tanks
c) Water runs through large filters
d) Chlorine is added

6. Over-pumping of groundwater causes _____.

a) more rain
b) depletion of the water table
c) cleaner rivers
d) more lakes

7. Which of these is a cause of water pollution?

a) Planting trees
b) Closing taps
c) Washing clothes near a river
d) Boiling water

8. Which two diseases are caused by contaminated water?

a) Typhoid and jaundice
b) Headache and fever
c) Cough and cold
d) Broken bone and sprain

9. Desalination is done on _____ water.

a) rain
b) saline
c) ground
d) pond

10. Which is the best way to save water while bathing?

a) Using a long shower
b) Using a bucket and a mug
c) Keeping the tap open
d) Filling a bathtub

B. Fill in the blanks.

1. Water is colourless and _____.

2. Small water droplets join to form big _____.

3. _____ is the change of water into snow or ice.

4. Surface water includes streams, rivers and _____.

5. Sedimentation, filtration and _____ are used in purification plants.

6. Boiling water for about _____ minutes kills most germs.

7. Pollution of seawater is called _____ pollution.

8. The level below the ground at which water is found is called the _____ table.

9. When industries release chemicals into a river, it causes water _____.

10. Water gets heated by the _____ and goes up as water vapour.

C. Write T for True or F for False.

1. About 50-65% of the human body is made up of water. (____)
2. Snow falls in colder regions when water drops freeze. (____)
3. Evaporation is the change of water vapour into liquid water. (____)
4. Potable water is safe to drink. (____)
5. Water from rivers is already pure and needs no treatment. (____)
6. Desalination removes salt and minerals from saline water. (____)
7. Plants and animals near polluted water may become infected. (____)
8. Leaving the tap running while brushing saves water. (____)
9. Rainwater is the main source of fresh water on the Earth. (____)
10. Water exists in only one form. (____)

D. Match the following. Write the letter in the blank.

Column A		Column B
1. Surface water	_____	a) Uses chlorine tablets
2. Groundwater	_____	b) Water changes into ice or snow
3. Contaminated water	_____	c) A river or a lake
4. Chlorination	_____	d) Closing the tap when it is not in use
5. Sedimentation	_____	e) Poisonous or not pure
6. Evaporation	_____	f) Formation of clouds from water vapour
7. Condensation	_____	g) Impurities settle down at the bottom
8. Freezing	_____	h) Harmful substances mixed with water
9. Water pollution	_____	i) Water found in the soil and rocks under the ground
10. Water conservation	_____	j) Water level in a bowl goes down in the Sun

E. Answer in two lines.

1. Name any four uses of water.

2. What is the main source of fresh water on the Earth?

3. What is the water cycle?

4. Why do we build dams, canals and wells?

5. What may happen if we drink impure water?

6. What is the use of alum in water purification?

7. What is marine pollution?

8. Why can we not use most of the water on the Earth?

9. Write two ways to check water pollution.

10. How can we save water at home?

F. Write short notes on the following. Give 4 or 5 points.

1. Write short notes on: **Steps in a Water Purification Plant**

(Hint: Draw the diagram from page 118 and write the six steps with numbers.)

2. Write short notes on: **Groundwater and Aquifers**

3. Write short notes on: **Ways to Check Water Pollution**

4. Write short notes on: **Why Water Is a Scarce Resource**

5. Write short notes on: **Drinking Water (Potable Water)**

G. Give the answer in one word.

Read the meaning and write the correct term.

1. The solid form of water. _____

2. The settling down of impurities in water. _____

3. A large structure built to store water and groundwater. _____

4. The condition of water when harmful substances are mixed in it. _____

5. Over-pumping of groundwater causes the depletion of this. _____

6. Floating masses formed when tiny water droplets mix with dust. _____

7. Frozen water drops that fall in colder regions. _____

8. Killing germs in water by heating it for 10-12 minutes. _____

9. A structure dug into the ground to draw groundwater. _____

10. A word that means something is in short supply, like freshwater. _____

Answer Key: Practice Set 3

Class 4 EVS, Water

A. Choose the correct option

1. b) It is colourless and odourless
2. b) groundwater
3. a) dust and other things
4. a) Boiling
5. b) Water is stored in large tanks
6. b) depletion of the water table
7. c) Washing clothes near a river
8. a) Typhoid and jaundice
9. b) saline
10. b) Using a bucket and a mug

B. Fill in the blanks

1. odourless
2. drops
3. Freezing
4. lakes
5. chlorination
6. 10-12
7. marine
8. water
9. pollution
10. Sun

C. True or False

1. T (True)
2. T (True)
3. F (False). Evaporation is the change of liquid water into water vapour.
4. T (True)
5. F (False). River water contains dirt and germs, so it must be purified.
6. T (True)
7. T (True)
8. F (False). We should close the tap while brushing our teeth.
9. T (True)
10. F (False). Water exists in three forms: solid, liquid and gas.

D. Match the following

1 - c **2** - i **3** - e **4** - a **5** - g
6 - j **7** - f **8** - b **9** - h **10** - d

Meaning of each pair: Surface water = A river or a lake; Groundwater = Water found in the soil and rocks under the ground; Contaminated water = Poisonous or not pure; Chlorination = Uses chlorine tablets; Sedimentation = Impurities settle down at the bottom; Evaporation = Water level in a bowl goes down in the Sun; Condensation = Formation of clouds from water vapour; Freezing = Water changes into ice or snow; Water pollution = Harmful substances mixed with water; Water conservation = Closing the tap when it is not in use.

E. Answer in two lines

1. Water is used for drinking, cooking, washing, irrigation and in industries (any four).

2. Rainwater is the main source of fresh water on the Earth.

3. The continuous cycle in which water changes into vapour, falls back as rain or snow and fills waterbodies is called the water cycle.

4. We build them to store groundwater, which is then pumped into pipes or tanks.

5. We may get waterborne diseases such as diarrhoea, jaundice, cholera and typhoid.

6. Alum helps insoluble impurities in the water to settle down.

7. The pollution of seawater is called marine pollution.

8. Most of the water is in seas and oceans, which is salty and cannot be used for drinking.

9. Do not dump waste in waterbodies. Do not wash or clean things in or near waterbodies.

10. Close the tap when not in use and repair leaking taps and pipes immediately.

F. Short notes (model answers)

1. Steps in a Water Purification Plant

- Step 1: Water from a lake or pond is run through large filters to remove impurities.
- Step 2: Alum is added so that insoluble impurities settle down.
- Step 3: The water moves through filters made of sand and gravel.
- Step 4: Chlorine is added to kill germs.
- Steps 5 and 6: Water is stored in large tanks and then runs through pipelines to users.

Diagram: Draw the diagram from page 118 and write the six steps with numbers.

2. Groundwater and Aquifers

- Rainwater that seeps down the ground and is held in soil and rocks is groundwater.
- Water stored in open spaces, pores or layers of sand and gravel is called an aquifer.
- Dams, canals and wells are built to store groundwater.
- Groundwater is pumped into pipes or tanks.
- Over-pumping of groundwater lowers the water table.

3. Ways to Check Water Pollution

- Do not dump any kind of waste in waterbodies.
- Treat household and industrial waste chemically before releasing it into a waterbody.
- Do not wash or clean things in or near any waterbody.
- Do not bathe animals in rivers and ponds.
- Tell family and friends to keep rivers and ponds clean.

4. Why Water Is a Scarce Resource

- Most of the Earth's water is found in seas and oceans and cannot be used.
- Only freshwater in ponds, lakes, rivers, etc., and groundwater is usable.
- The water table is the level below the ground where we start to find water.
- Over-pumping of groundwater is one of the main causes of the depletion of the water table.
- So it is important to conserve water.

5. Drinking Water (Potable Water)

- Drinking water is also called potable water.
- It comes from surface and ground sources.
- Water from rivers, ponds and canals is not pure and contains dirt and germs.
- It is treated before we drink it.
- At home, we can boil water or add chlorine tablets to make it safe.

G. One word answers

1. Ice

2. Sedimentation

3. Dam
4. Polluted
5. Water table
6. Clouds
7. Snow
8. Boiling
9. Well
10. Scarce