SENTIA THE GLOBAL SCHOOL

Class IV

PT3 PRACTICE WORKSHEET - SCIENCE

Worksheet-1

I.	Fill in the blanks.		
1.	are formed when water vapour condenses into tiny droplets.		
2.	gets hotter faster during the day and cools faster at night.		
3.	is a strong wind.		
4.	plays a major role in changing weather conditions.		
5.	is the condition of air at a particular place and time.		
6.	The breeze that blows during the day in the coastal areas is known as		
7.	The axis on which earth turns is inposition.		
8.	The movement of Earth around the sun is called		
9.	The amount of water vapour present in the air is called		
10	10. The land breeze blows during		
II.	Write true (t) or false (f).		
1.	Snow balls come together to form clouds. ()		
2.	Evaporation is a part of water cycle. ()		
3.	When the air gets heated up, it becomes lighter. ()		
4.	Revolution of Earth causes seasons. ()		
5.	The movement of Earth on its own axis is called rotation. ()		
6.	Warm air is heavier than cool air. ()		
7.	The axis of the Eath is tilted. ()		

III. Answer these short answer questions.

- 1. Define the terms
 - a. humidity
- b. weather
- c. season
- d. Gale
- e. Storm

- 2. What causes changes in weather?
- 3. Which of the two places will have more rain and why? i. more humid ii. Less humid
- 4. What causes movement of wind?

IV. Answer these long answer questions.

- 1. Explain how land and sea breeze occur in coastal areas?
- 2. Describe how cloud formation takes place.
- 3. Observe the following pictures and answer the following:





A.

- i. Place B has cool breeze blowing almost always. Why?
- ii. Place A is not as densely populated as place B. Why?
- iii. People living in place B wear cotton clothes throughout the year. Why?

В.

iv. Which place has more humidity?

Lesson-9

Worksheet-2

I. Fill in the blanks.

1. Meteors do not hit the Earth's surface becau	se of the layer
2. Water cycle occurs inlayer	
3gas is used in light bulbs and fluc	orescent tubes.
4. The ozone layer is a part of	
5. There arelayers of atmosphere	e.
6layer protects us from harmful UV	rays of the sun.
7. Most abundant gas in the atmosphere is	
8is a thick blanket of air.	
9. The outermost layer of the atmosphere is	
10. Inflated balloon shows us that air occupies _	
11. Presence ofandmakes lif	
12. Atmosphere keeps our planet	_·
II. Write true (t) or false (f).	
1. Air has weight and occupies space. ()	
2. Air is the liquid state of matter. ()	
3. All living things inhale carbon dioxide. ()	
4. Nitrogen in the air controls burning. ()	
5. Argon is a colorless gas used in making light bulb	os. ()
6. Drinking through a straw would not be possible v	vithout air. ()
7. Fire burns due to the presence of carbon di oxide	e in the air. ()
8. Air is a mixture of fuels. ()	
III. Match the following.	
1. Nitrogen	mixture of many gases
2. Oxygen	most abundant gas in the air
3. Carbon di oxide	survival of human beings
4. Argon	Photosynthesis.
5. Air	Used in light bulbs.
IV. Answer these short answer questions.	

- 1. Why is the ozone layer important for us?
- 2. What is atmosphere?
- 3. What are the properties of air?
- 4. Why is our planet Earth special?
- 5. Name some gases present in the air
- 6. How can we prevent the depletion of ozone layer?

V. Answer these long answer questions.

- 1. Explain the composition of air and importance of each gas.
- 2. Describe the layers of atmosphere with the help of a neat labelled diagram.

- 3. Ashley's dad keeps telling her to minimize the use of air conditioners, as it can damage the ozone layer. But she is confused about what is ozone layer and how it is of any importance to us. Can you help her by answering her questions as follows:
 - a. Where is the ozone layer present?
 - b. What causes the damage of ozone layer?
 - c. What would happen if there is no ozone present in the atmosphere?

VI. Observe the following picture and answer the given questions.

1.



- a. Which property of air is shown here?
- b. How does ink enter inside the dropper?
- c. Can you give one more example where you have used the property of air?
- 2. Have you ever seen that the tyre of your bicycle is flat? Why do you think this happens?



ii. Can you name any two things in which air is filled to give shape?

Lesson-10

Worksheet-3

Т	Eill	in	tho	hl	anks	
1.	ГШ		uie	DI	aliks	١.

1 is the process in which water is allowed to stand undistu	rbed in a container.
2 is a pure form of water.	
3. Boiling is a process by which we can removeimpurities.	
4 is a process to speed up sedimentation process.	
5. A mixture of sand and clay can be separated using	_process.
6method is used in homes to make water germ free.	
7. The process in which water does not get wasted while purifying is _	
8. When two objects float, theobject displaces more water.	
9. Drinking water is calledwater.	
10is the process of adding chlorine to purify water.	
II. Write true (t) or false (f).	
1. Heavy things sink in water. ()	
2 Process of purifying water by adding chloring is called chlorination	()

3.	Loading can be done by substance like alum. ()		
4.	Water goes through several processes before reaching our homes through a network of pipelines.	()
5.	A tissue paper is used in the process of filtration. ()		
6.	Distillation gives us the purest form of water. ()		

III. Match the following.

1.	Iron bar	purification
2.	Salt	Loading
3.	Sand	sinks
4.	Alum	Insoluble
5.	Distillation	soluble

IV. Answer these short answer questions.

- 1. What is potable water?
- 2. Why is evaporation not a very good idea to remove soluble impurities?
- 3. Name two kinds of impurities.
- 4. What is chlorination?
- 5. Name any two water reservoirs that you know.

V. Answer these long answer questions.

- 1. Describe how water reaches our homes?
- 2. Explain the process of distillation with the help of neatly labelled diagram.
- 3. Name the method of purification and things required for the following:
 - a. Fine clay mixed with water.
 - b. Tap water being used for drinking at home and in cities.
 - c. Separating a mixture of water and oil.
- 4. Observe the following picture and answer the questions given.



- i. Name the water source from where the child is drinking water.
- ii. Is he doing the right thing? why?
- iii. What should he do instead?