PAGE:
DATE : 7 /

MONTH : OCTOBER

Chapter - 7
Air

I Technical words :

1. **Pressure :**
Pressure is the force exerted over a given area.

2. **Pollution :**
The mixture of harmful substances into our air, water, or soil, making them unsafe for living things.

II Rewrite the false statement correctly :

1. Meteorites absorbs the harmful rays coming from the sun.

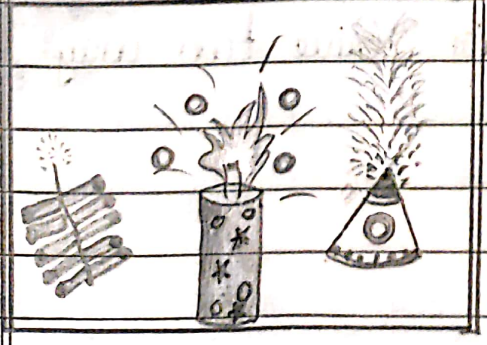
Ans Ozone absorbs the harmful rays coming from the sun

2. Plant use oxygen from air to make their food.

Ans Plant use Carbondioxide from air to make their food.

III Identify the picture and write a sentence about it :

1.



Fire Crackers : Crackers make loud noise and release smoke that pollutes the air.

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IV Assertion - Reason questions :

In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements carefully and choose the correct option.

a) Both A and R are correct
b) Both A and R are incorrect
c) A is correct and R is incorrect
d) A is incorrect and R is correct

1. Assertion (A) : A soft drink moves up through a straw when we suck it.

Ans Reason (R) : Sucking creates a high pressure area inside the straw

Ans c) A is correct and R is incorrect.

V Answer the following in short :

1. What is the atmosphere ? Write any two ways it help us.

* The atmosphere is the blanket of air that surrounds the earth.
* It helps us by providing oxygen for breathing and protecting us from the sun's harmful rays.
* It also keeps the Earth warm enough to support life.

2. How can we prevent air pollution ? Give two ways.

* We can prevent air pollution by planting more trees and using public transport or bicycle instead of many vehicle.
* Avoiding the burning of garbage and using cleaner

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fuels also help keep the air clean.

VII Answer the following in detail :

1. Explain the five main layers of the atmosphere.

Ans The atmosphere is divided into five main layers :

Troposphere :

* This is the lowest layer of the atmosphere, containing about 80% of its air. All the weather changes occur here.

Stratosphere :

* This layers lies above the troposphere. Clouds are rare in this layer, which is why aircrafts usually fly here.
* The ozone layer is also part of the stratosphere.

Mesosphere :

* This is the third layer.
* Meteorities and rocks burn up in this layer upon entering the earth's atmosphere.

Thermosphere :

* It is the fourth layer.
* Space shuttles orbit in this layer.

Exosphere :

* It is the outermost layer
* This is where the Earth's atmosphere gradually merges into space

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VII Hots :

1. Why does a Candle go out when it is covered with a glass tumbler ?

Ans * A Candle needs oxygen from the air to keep burning.

* When the Candle is covered with a glass tumbler, the oxygen inside gets used up.

* Therefore the Candle goes out.

10/10