



Worksheet 1

Air around us

Date: 2.03.24

I.State True or False

- 1.Nitrogen supports burning of a candle
2. Dust particles are always present in air
3. Water Vapour present in Air supports the water cycle
4. Birds, insect can fly because of the air
5. Plants absorb oxygen to prepare the food
6. Air is primary made of Hydrogen and Helium

II.Fill in the Blank

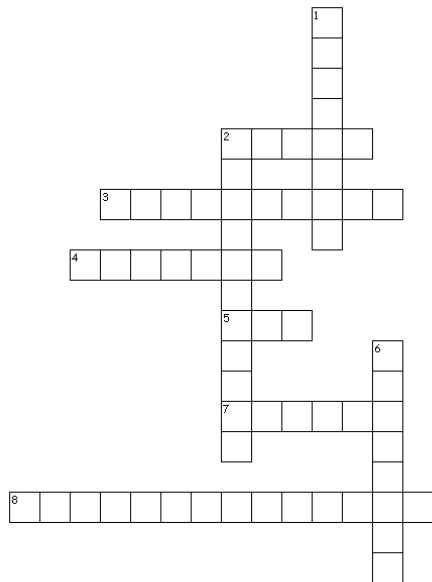
1. The process of absorbing carbon dioxide from air and preparing the food by plants is called _____
2. Air is _____ and not _____.
3. The layer of gases around the earth is called as _____.
4. Air occupies _____ and has _____
5. Organism living in soil breathe through _____.
6. Air is primary made of _____ and _____
7. Removal of water from plant bodies in the form of vapours is called _____
8. Clothes dry faster when there is _____ water vapour in air

III. Match the following

Column A	Column B
1)Oxygen is required	A)Ammonia
2)Nitrogen is used to prepare	B)photosynthesis
3)CO ₂ is used in	C)Electric Bulb

4)Argon is used	D)Combustion
5)Water Vapour	E)Low temperature
6)Helium	F)Water cycle

IV.Solve the below crossword



Across

2. This gas is used for treating cancer patient
3. The blanket of gases that surrounds the earth
4. These animals used air dissolved in water for respiration
5. it is colourless and odour less
7. The gas which helps in combustion
8. This process involves utilization of carbon dioxide from air and release of oxygen into the air.

Down

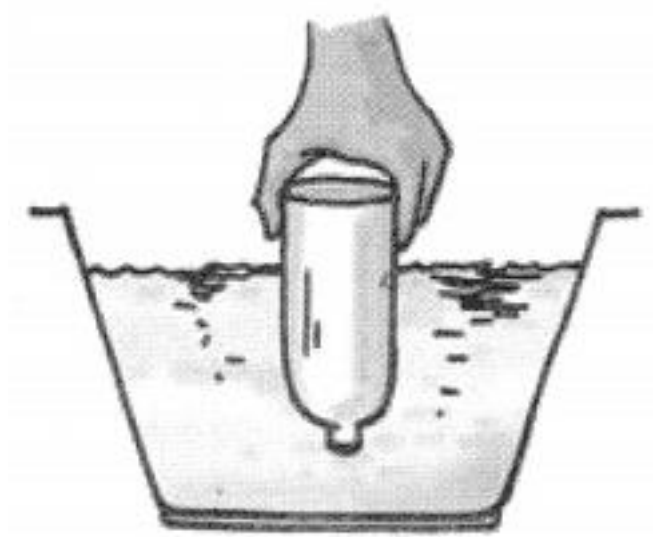
1. The major part in air
2. Air is used by animals for this process
6. The device used to convert wind energy into electrical energy

I.Fill in the Blanks:

1. The layer of air around the earth is known as
2. The component of air used by green plants to make their food, is
3. Air is a gaseous
4. is used to inflate tyres of vehicles.
5. The present in air helps in the formation of clouds.

II. Tick the Correct Option:

1. Air is a/an:
a) mixture b) compound c) element d) none of these
2. Which is the largest component of air?
a) Oxygen b) Nitrogen
c) Carbon dioxide d) Water vapour
3. Air occupies space and has:
a) colour b) smell c) mass d) none of these
4. is a device which measures the air pressure.
a) Barometer b) Thermometer
c) Anemometer d) Ammeter
5. Which gas is released in respiration?
a) Nitric acid b) Carbon monooxide
c) Carbon dioxide d) Sulphur dioxide
6. To release some of the air from the bottle shown in the given diagram, we should:



- a) push the glass further down
- b) tilt the glass

- c) pour more water into the basin
- d) blow bubbles into the glass

III. State True or False:

- 1. Air has no mass.
- 2. Air is a mixture of gases.
- 3. Air exerts pressure.
- 4. Nitrogen supports burning.
- 5. Sound can travel only in air.

IV. Match the following

S.no	Column A	Column B
1.	Breeze	I) Moving air
2.	Storm	II) Slow moving air
3.	Smoke	III) Air with very high speed
4.	Wind	IV) Air with ash particle