

WELCOME TO THE ONLINE CLASS

SESSION NO.: 3

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 12

CHAPTER NAME: OUR LIFE SUPPORT

TOPIC: INTRODUCTION, AIR AROUND US- AIR IS NEEDED FOR BREATHING, AIR IS NEEDED FOR BURNING

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- **define air and atmosphere.**
- **understand the importance of air and atmosphere.**
- **list the uses of air in our real life.**

INTRODUCTION-AIR

- Living things cannot live without air.
- All living things need air to breathe.



ATMOSPHERE

- The thick blanket of air that surrounds our planet is called atmosphere
- The atmosphere is held around the earth by the it's gravity.
- Atmosphere is a mixture of gases, water vapour and dust.



IMPORTANCE OF ATMOSPHERE

- It retains heat and blocks out the harmful rays of the sun.
- Atmosphere also prevents meteors from hitting the surface of the earth.
- The oxygen present in the atmosphere supports life.
- Air also contains carbon dioxide which is used by the plants to prepare food.



USES OF AIR

Air is used:

- for breathing
- for burning
- to move parachutes, gliders and kites
- to inflate footballs and tubes of vehicles
- to push sailboats
- to turn the blades of windmills
- to draw water or generate electricity



AIR IS NEEDED FOR BREATHING

- The fresh air we breathe in is called inhaled or inspired air.
- The air we breathe out is called exhaled or expired air.
- Our lungs take in the oxygen from the inhaled air and mix it with the blood and take out carbon dioxide from the blood.
- Exhaled air is warmer than inhaled air.



AIR IS NEEDED FOR BURNING

- Air contains oxygen which is needed for burning.



SUMMARY

- **All living things need air to breathe.**
- **The thick blanket of air that surrounds our planet is called atmosphere.**
- **The atmosphere is held around the earth by the it's gravity.**
- **Air is used for breathing, for burning, to move parachutes, gliders and kites, to inflate footballs and tubes of vehicles, to push sailboats, to turn the blades of windmills, to draw water or generate electricity.**

READY FOR A
QUIZ ?

Assertion(A): Air is needed for breathing.

Reason(R): Air contains oxygen.

- a. Both A and R are true and R is correct explanation of A.**
- b. Both A and R are true but R is not the correct explanation of A.**
- c. A is true and R is false.**
- d. A is false and R is true.**
- e. Both A and R are false.**

Ans: a. Both A and R are true and R is correct explanation of A.

Assertion(A): The atmosphere is a blanket of air surrounding the earth.

Reason(R):The atmosphere is held in place by the Sun's gravity.

- a. Both A and R are true and R is correct explanation of A.**
- b. Both A and R are true but R is not the correct explanation of A.**
- c. A is true and R is false.**
- d. A is false and R is true.**
- e. Both A and R are false.**

Ans: c. A is true and R is false.

Assertion(A): Air contains only water vapour.

Reason(R): Moving air is used to generate electricity.

- a. Both A and R are true and R is correct explanation of A.**
- b. Both A and R are true but R is not the correct explanation of A.**
- c. A is true and R is false.**
- d. A is false and R is true.**
- e. Both A and R are false.**

Ans: d. A is false and R is true.

HOMEWORK

Write the difficult words in your notebook.

LEARNING OUTCOME

The learner will be able to:

- **define air and atmosphere.**
- **understand the importance of air and atmosphere.**
- **list the uses of air in our real life.**

THANKING YOU
ODM EDUCATIONAL GROUP