

Ex - 1

classmate

Date _____

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1. An atmosphere is a ~~thick~~ thick sheet of air covering the earth to protect us from UV rays.
2. We can't see air because it is colourless and transparent.
3. Wind is the fast moving air that we feel.
4. If there ~~was~~ would have been no atmosphere then the direct UV rays would kill the living beings.
5. Air is called a ~~mix~~ mixture because it contains nitrogen, oxygen, carbon dioxide, ~~and~~ ~~inert~~ inert gases (helium, neon, argon, xenon, etc), water vapour and dust particles.

- Air occupies space.
- It has mass.
- It can be easily compressed.
- It exerts pressure equally in all directions.
- It is a mixture of gases.

Air is a mixture

- Composition of air varies from place to place.
- When air is mixed no energy change occurs.

- Components retain their individual properties.
- Components of air can be separated by simple physical methods.
- Air can't be represented by a formula as its components are not in a fixed proportion.

6. The main components of air are nitrogen, oxygen and carbon dioxide. Nitrogen 78%, Oxygen 21%, Carbon dioxide 0.4% (almost 1%)

7.

- Small water droplets can be seen on outer wall of glass tumbler. These are due to cold surface of glass, water in air condenses.
- The candle will continue to burn for some time.
- When Carbon dioxide gas is passed through lime water it turns it milky.
- We can observe that small dust particles moving zig-zag or randomly.

8. a) Calcium Hydroxide

b) Calcium Carbonate