

**BASIC WORKSHEET**  
**KEY- 2**

Grade- VIII

**PHYSICS**

- i.
1.
  - a. A thick, sticky black liquid obtained. It is called as pitch
  - b. Petroleum refining process
  - c. Anthracite
  - d. Hexa chloro ethane
2. CO<sub>2</sub> being heavier than O<sub>2</sub> covers the fire like blanket also bring down the temperature, since contact between the fuel and oxygen cut-off and thus the fire come under control
- 3.

Property	Metals	Non -Metals
Appearance	strong and having high tensile strength	not strong and having less tensile strength
Conduction of heat	good conductor	poor conductor
Malleability	metals are malleable	non metals are neither malleable nor Ductile
Ductility	metals are ductile	non ductile

4. Oxides of non-metals are generally of acidic nature for example :when sulphur burns in air it reacts with oxygen of air to form an acidic oxide called Sulphur dioxide. This oxide of sulphur is acidic as when it is dissolved in water then it forms an acid called sulphurous ( H<sub>2</sub>SO<sub>3</sub> ) acid



Therefore we can say that oxides of nonmetals are acidic in nature as they form acids when they are dissolved in water

5.
  - a. Reusing means using the things again and again thus without wastage of any energy. we can use the things.
  - b. Old envelopes can be rescued
  - c. Old newspapers can be used to make cards, pots
  - d. By adopting the principles of these are 'RS' we can make ourselves eco-friendly

# BIOLOGY

I.

1. 4.7-5.5 liters
2. SARS-COV-2
3. Stomach
4. Sphygmomanometer
5. Retinal
6. 23 pairs of chromosomes
7. 7.35 to 7.45 7.4
8. Stomach
9. Veins
10. Water

I.

1. Vertebrae
2. Epidermis
3. Red blood cells are present in the blood to transport oxygen. it mainly consists of hemoglobin
4. Yes, immunity plays important in human body as it protects your body from harmful substances, germs
5. Pituitary gland

II.

- Biotechnology is branch of science. Biotechnology along with nanotechnology, it can identify the virus which attack respiratory organs and virus which are not active outside the host cell .yes it is useful.
- Better immunity development is necessary and strong immune system means strong resistance for virus.

III.

1.

- Functioning of heart
- Heart is a organ which transport the blood.
- It is a muscular organ which circulates the blood by blood vessels
- Heart is divided into four chambers 2 auricles upper chamber and 2 ventricles lower chamber
- These are separated by valves which help of not mixing of oxygenated and deoxygenated blood
- All the atria and ventricles of the heart contract and relax

2.

- Uses of forest
- Forests provide wood
- Forest also provide resins ,gums ,medical, herbs
- Forest help in rainfall
- Forest help increase in fertility of soil
- Forest maintains temperature of environment

3.

- Blue bins: blue dustbins are meant for dry waste
- Green bins: the green is meant for wet wastes
- Waste segregation is done to easily separate the waste board on the process of recycling

V.

1.

Arteries

Carry blood from the heart

Carries oxygenated blood

Arteries or reddish in colour

veins

carry blood to the heart

carries deoxygenated blood

veins are bluish in colour

2. A chemical test for starch is to add iodine solution in the presence of starch iodine turns blue /black colours.

**Parts of a flower**

- Sepals- protects flower white bud
- Stamen- male parts of the flower
- Anthers- produce male sex cells
- Stigma- sticky surface through which pollen tube grows
- Ovary- ovary holds ovules