

Subject: Basic Science

Year: 8

Week: 1

Topic: Living things I

Living things are things that have life in them

Habitat: It's a place where plants and animals live

Types of habitat: There are three (3) types of habitat; aquatic, terrestrial and arboreal.

Aquatic habitat: These are organisms that live in water

Terrestrial habitat: These are organisms that live on land

Arboreal habitat: These are organisms that live on trees or in the air

Week: 2

Topic: Living things II

Adaptation is the ability of all living things to develop structural and behavioural features that make them to survive in their habitats

Adaptation of plants to Aquatic habitat

These are hydrophytes and they include: Spirogyra, water lettuce, water lilies

They possess chloroplast for photosynthesis

They hold fast for attachment

Some plants have roots to the bottom of the water

Adaptation of Animals to Aquatic habitat

Aquatic animals possess fins to move in the water

They have gills to breathe in water

They have streamlined shape to move in water

Adaptation of plants to Terrestrial habitat

They have thin bark for their transportation

They have chloroplasts for photosynthesis

Adaptation of Animals to Terrestrial habitat

They have a hairy skin to keep their body warm

They have sweat gland to regulate the body temperature

They have lungs for breathing

Week:3

Topic:Chemical I

A chemical is a substance or compound that can be used in or produced by a chemical reaction

Classes of chemicals: Chemicals are classified into two groups,based on their use and on their dangerous nature

Safety measures when using chemicals: These include

Know and adhere to safety rules

Follow strict rules when working with gas or electricity, since gas is highly flammable

Always keep matches away from bunsen burners until you are ready to use them, as gas is highly flammable

Week:4

Topic: Chemicals I I

A chemical symbol is a letter or group of letters used to represent the name of an element

Safety measures: Handle and store chemicals and equipment safely to avoid injury to yourself and to your fellow students

Chemical storage and labelling: Chemicals should be properly stored in a bottle and labelled to avoid injury

Week:5

Topic: Chemical industries.

Chemical symbols of elements and their valencies :

A chemical symbol is a letter or group of letters used to represent the name of an element

Valency is the combining power of an element

Distinguish between elements, compound and mixture:

Elements are substances that cannot be split into simpler substances.

Compounds are substances which contains two or more elements chemically combined together eg sodium chloride

Mixture is made up of two or more elements that are physically combined
eg chalk particles and water

Week 6

Topic: Locomotion I

The Human skeleton: Skeleton is a bony structure which gives animal rigidity and support

Functions of the skeleton: