**Key Words - Biology**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Living Things** | **Cells and the Microscope** | **Food** | **Skeleton and Movement** | **Digestion** | **Structure and Transport in Plants** |
| Organisms  Respiration  Sensitivity  Stimulus  Excretion  Reproduction  Growth  Movement  Vertebrates  Invertebrates  Mammals  Characteristic  Key  Cell  Blood cell  Nerve Cell  Muscle cell  Tissue  Skin  Muscle  Nervous  Organ | Cell  Microscope  Focus  Lens  Magnify  Image  Slide  Cover slip  Iodine  Cell membrane | Carbohydrates  Fibre  Starch  Constipation  Protein  Vitamins  Minerals  Calcium  Iron  Food Pyramid  Fat  Water  Balanced Diet  Growth  Nutrients | Ribs  Skull  Vertebrae  Humerus  Radius  Ulna  Femur  Tibia  Fibula  Pelvis  Scapula  Clavicle  Triceps  Antagonistic  Biceps | Oesophagus  Stomach  Liver  Pancreas  Protein  Vitamins  Minerals  Calcium  Small intestine  Large intestine  Molars  Premolars  Incisors  Canines  Enzyme  Saliva  Mouth  Absorption  Churns  Secretes | Root  Stem  Leaf  Buds  Tap  Structure  Xylem  Phloem  Adventitious  Support  Photosynthesis  Stomata  Anchor  Flower  Minerals  Transport |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Respiration** | **The Senses and Nervous System** | **Circulatory System** | **Ecology** | **Biotechnology and Microorganisms** | **Photosynthesis and plant responses** |
| Aerobic  Respiration  Product  Carbon dioxide  Trachea  Bronchus  Bronchiole  Air sac /alveolus  Diaphragm  Cancer  Bronchitis  Breathing Rate  Capillaries  Diffusion  Gas exchange | Sensory Nerve  Motor Nerve  Eye  Pupil  Lens  Cornea  Retina  Optic Nerve  Cilary Muscle  Iris  Pupil  Focus  Brain  Spinal Cord  Stimulus  Nerve  Hearing  Touch  Taste  Smell | Red cell  White cell  Platelet  Plasma  Aorta  Vena Cava  Pulmonary Vein  Pulmonary Artery  Atrium  Ventricle  Septum  Pulse  Vein  Artery  Capillaries  Haemoglobin  Lumen  Valves  Exercise  Smoking | Habitat  Organisms  Environment  Community  Population  Food Chain  Food Web  Consumer  Producer  Herbivore  Carnivore  Omnivores  Quadrat  Line Transect  Pooter  Beating Tray  Sweep Net  Competition  Adaptation  Resources  Pollution  Conservation  Waste management  Acid Rain  Reduce  Reuse  Recycle  Landfill | Decomposers  Bacteria  Fungi | Photosynthesis  Oxygen  Glucose  Carbon Dioxide  Geotropism  Phototropism  Iodine  Chloroplast  Chlorophyll  Stomata  Starch |

|  |  |  |  |
| --- | --- | --- | --- |
| **Human Reproduction** | **Excretion** | **Genetics** | **Plant Reproduction** |
| Gamete  Sperm  Egg  Fertilisation  Uterus  Fallopian Tube  Ovary  Vagina  Ovulation  Menstruation  Fertile Period  Intercourse  Penis  Testes  Puberty  Placenta  Seminal Fluid  Semen  Pregnant  Amniotic Fluid  Birth  Labour  Contraception  Sperm Duct | Lungs  Kidneys  Skin  Chemical waste  Carbon Dioxide  Urine  Sweat  Filters  Water  Bladder  Ureter  Urethra  Renal Artery  Renal Vein  Salts | Genes  Chromosones  DNA | Flower  Petal  Sepal  Carpel  Stigma  Style  Ovary  Anther  Filament  Stamen  Pollen  Pollination  Seed  Dispersal  Insects |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Matter** | **States of Matter** | **Solutions and Mixtures** | **Acids and Bases** | **The Air and Oxygen** | **Carbon Dioxide** |
| Solid  Liquid  Gas  Mass  Melting  Compressed  Freezing  Particles  Condensing  Evaporating | Elements, Compounds and Mixtures  Atom  Element  Properties  Molecules  Chemically  Substances  Mingled  Air  Water  Ink  Steel  Physical Change  Chemical Change  Compound  Mixture  Sea Water | Solution  Dilute  Concentrated  Temperature  Solute  Dissolve  Suspension  Solvent  Crystals  Copper Sulphate  Cooling  Filtration  Chromatography  Soluble  Insoluble  Evaporation  Condenser  Evaporating Dish  Rock Salt  Distillation  Filter Funnel  Solvent | Acid  Neutral  Indicator  Sharp  Base  Litmus Red  Scale  Sour  pH  Litmus Blue  Corrosive  Hydrochloric Acid  Sulphuric Acid  Sodium Hydroxide  Hydrogen Peroxide  Limewater | Nitrogen  Mixture  Cobalt Chloride  Oxygen  Rusting  Hydrogen Peroxide  Manganese Dioxide  Carbon  Magnesium | Carbon Dioxide  Calcium Carbonate  Hydrochloric Acid |

**Key Words - Chemistry**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Water** | **The Atom** | **The Periodic Table** | **Fossil Fuels, Hydrocarbons and Acid Raid** | **Plastics** | **Elements, Compounds and Mixtures** |
| Ice  Resins  Filtration  Chlorination  Steam  Water Cycle  Settling  Electrolysis  Ion Exchange  Screening  Fluoridation  Hard Water  Soft Water  Lather  Scum  Ions | Elements  Groups  Periods  Shells  Atomic Mass  Atomic Number  Protons  Electrons | Metals  Non Metals  Halogens  Noble Gases  Neutrons  Mendeleev | Carbon  Hydrogen  Methane  Coal  Oil  Gas  Acid Rain  Sulphur Dioxide  Carbon Dioxide  Global Warming  Ozone Layer  Pollution | Plastic  Polymers  Nylon  Non-Biodegradable  Polythene  Crude Oil  Strong  Waterproof  PVC  Polystyrene  Durable  Insulation | Hydrogen  Helium  Lithium  Boron  Carbon  Oxygen  Nitrogen  Fluorine  Sodium  Magnesium  Neon  Potassium  Calcium  Chlorine  Argon  Aluminium  Silicon  Phosphorous  Beryllium  Sulphur |

|  |  |  |
| --- | --- | --- |
| **Chemical Bonding** | **The Alkali and Alkaline Earth Metals** | **Metals and non-metals** |
| Ionic  Covalent  Share  Lose  Gain  Ions  Shells  Electron  Conductivity  Octet Rule  Magnesium Oxide  Crystal Lattice  Hydrogen Molecule  Oxygen Molecule  Methane molecule  Sodium Chloride | Alkali  Alkaline Earth | Lustrous  Sonorous  Hard  Alkaline Earth  Malleable  Dense  Reactivity  Rust  Ductile  Conductors  Alkali  Galvanise  Hydrochloric Acid  Hydrogen  Paint |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Measurement and Units** | **Energy** | **Magnetism** | **Light** | **Pressure** | **Heat** |
| Length  Area  Kilogram  Opisometer  Mass  Volume  Second  Calipers  Time  Metre  Metre Stick  Balance  Graduated Cylinder  Over Flow Can | Energy  Sound  Electrical  Conservation of Energy  Kinetic  Light  Magnetic  Renewable  Potential  Chemical  Nuclear  Non Renewable  Tidal  Biomass  Hydroelectric  Geothermal  Wind  Solar  Energy Conversion | Iron  Repulsion  Magnetic Field  Iron Filings  North Pole  Cobolt  Compass  South Pole  Nickel  Bar magnet | Light  Luminous  Refraction  Periscope  Photosynthesis  Non Luminous  Spectrum  Image  Solar Energy  Dispersion  Convex Lens  Crooke’s Radiometer  Shadows  Reflection  Concave Lens  Prism | Pressure  Depth  Altimeter  Pascal  Force  Atmospheric Pressure  Isobar  Barometer  Area  Pressure Gauge  Low Pressure  High Pressure | Heat  Convection  Boiling Point  Insulation  Expansion  Radiation  Melting Point  Solids  Contraction  Bimetallic Strip  Latent Heat  Liquids  Conduction  Temperature  Cooling Curve  Gases |

**Key Words - Physics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sound** | **Density and Flotation** | **Force, Work and Power** | **Center of Gravity** | **Moments** | **Static Electricity** |
| Sound  Vibration  Reflection  Sound Intensity  Wave  Medium  Refraction  Decibel  Energy  Bell Jar  Echo  Ultrasound | Floatation  Density | Newton  Magnetic Force  Spring Balance  Extension  Gravity  Friction  Weight  Hooke’s Law  Electric Force  Lubrication  Mass  Work  Time  Power  Newton  Force  Joule  Watt  Average Power  Distance  Newton Metre  Kilowatt | Equilibrium  Stable  Unstable  Neutral  Lever  Load  Lamina | Fulcrum  Moment of Force  Law of the Lever | Positive charge  Perspex Rod  Current  Resistance  Negative charge  Polythene Rod  Ampere  Ohm  Electron  Insulator  Voltage  Earthing  Proton  Conductor  Volts  Lightning Rod |

|  |  |  |  |
| --- | --- | --- | --- |
| **Current Electricity** | **Electricity in the Home** | **Electronics** | **Velocity and Acceleration** |
| Ohm’s Law  Series  Current  Resistance  Resistor  Parallel  Ampere  Ohm  Voltmeter  Alternating  Voltage  Flow  Ammeter  Direct  Volts  Charge | Direct Current  Live wire  Kilowatt hour  Electroplating  Alternating Current  Neutral Wire  Fuse  Circuit Breaker  Plug  Earth Wire  Current Rating  Cord Grip | Diode  Forward Bias  Switch  Buzzer  Light Dependent Resistor LDR  Reverse Bias  Lamp  Circuit  Light Emitting Diode LED  Battery  Variable Resistor | Speed  **Motion**  Velocity  Metres/S  Seconds  Distance  Acceleration  Direction  Metres  Time |