**Key Words - Biology**

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| **Living Things** | **Cells and the Microscope** | **Food** | **Skeleton and Movement** | **Digestion** | **Structure and Transport in Plants** |
| OrganismsRespirationSensitivityStimulusExcretionReproductionGrowthMovementVertebratesInvertebratesMammalsCharacteristicKeyCellBlood cellNerve CellMuscle cellTissueSkinMuscleNervousOrgan | CellMicroscopeFocusLensMagnifyImageSlideCover slipIodineCell membrane | CarbohydratesFibreStarchConstipationProteinVitaminsMineralsCalciumIronFood PyramidFatWaterBalanced DietGrowthNutrients | RibsSkullVertebraeHumerusRadiusUlnaFemurTibiaFibulaPelvisScapulaClavicleTricepsAntagonisticBiceps | OesophagusStomachLiverPancreasProteinVitaminsMineralsCalciumSmall intestineLarge intestineMolarsPremolarsIncisorsCaninesEnzymeSalivaMouthAbsorptionChurnsSecretes | RootStemLeafBudsTapStructureXylemPhloemAdventitiousSupportPhotosynthesisStomataAnchorFlowerMineralsTransport |

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| **Respiration** | **The Senses and Nervous System** | **Circulatory System** | **Ecology** | **Biotechnology and Microorganisms** | **Photosynthesis and plant responses** |
| AerobicRespirationProductCarbon dioxideTracheaBronchusBronchioleAir sac /alveolusDiaphragmCancerBronchitisBreathing RateCapillariesDiffusionGas exchange | Sensory NerveMotor NerveEyePupilLensCorneaRetinaOptic NerveCilary MuscleIrisPupilFocusBrainSpinal CordStimulusNerveHearingTouchTasteSmell | Red cellWhite cellPlateletPlasmaAortaVena CavaPulmonary VeinPulmonary ArteryAtriumVentricleSeptumPulseVeinArteryCapillariesHaemoglobinLumenValvesExerciseSmoking | HabitatOrganismsEnvironmentCommunityPopulationFood ChainFood WebConsumerProducerHerbivoreCarnivoreOmnivoresQuadratLine TransectPooterBeating TraySweep NetCompetitionAdaptationResourcesPollutionConservationWaste managementAcid RainReduceReuseRecycleLandfill | DecomposersBacteriaFungi | PhotosynthesisOxygenGlucoseCarbon DioxideGeotropismPhototropismIodineChloroplastChlorophyllStomataStarch |

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| **Human Reproduction** | **Excretion** | **Genetics** | **Plant Reproduction** |
| GameteSpermEggFertilisationUterusFallopian TubeOvaryVaginaOvulationMenstruationFertile PeriodIntercoursePenisTestesPubertyPlacentaSeminal FluidSemenPregnantAmniotic FluidBirthLabourContraceptionSperm Duct | LungsKidneysSkinChemical wasteCarbon DioxideUrineSweatFiltersWaterBladderUreterUrethraRenal ArteryRenal VeinSalts | GenesChromosonesDNA | FlowerPetalSepalCarpelStigmaStyleOvaryAntherFilamentStamenPollenPollinationSeedDispersalInsects |

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| **Matter** | **States of Matter** | **Solutions and Mixtures** | **Acids and Bases** | **The Air and Oxygen** | **Carbon Dioxide** |
| SolidLiquidGasMassMeltingCompressedFreezingParticlesCondensingEvaporating | Elements, Compounds and MixturesAtomElementPropertiesMoleculesChemicallySubstancesMingledAirWaterInkSteelPhysical ChangeChemical ChangeCompoundMixtureSea Water | SolutionDiluteConcentratedTemperatureSoluteDissolveSuspensionSolventCrystalsCopper SulphateCoolingFiltrationChromatographySolubleInsolubleEvaporationCondenserEvaporating DishRock SaltDistillationFilter FunnelSolvent | AcidNeutralIndicatorSharpBaseLitmus RedScaleSourpHLitmus BlueCorrosiveHydrochloric AcidSulphuric AcidSodium HydroxideHydrogen PeroxideLimewater | NitrogenMixtureCobalt ChlorideOxygenRustingHydrogen PeroxideManganese DioxideCarbon Magnesium | Carbon DioxideCalcium CarbonateHydrochloric Acid |

**Key Words - Chemistry**

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| **Water** | **The Atom** | **The Periodic Table** | **Fossil Fuels, Hydrocarbons and Acid Raid** | **Plastics** | **Elements, Compounds and Mixtures** |
| IceResinsFiltrationChlorinationSteamWater CycleSettlingElectrolysisIon ExchangeScreeningFluoridationHard WaterSoft WaterLatherScumIons | ElementsGroupsPeriodsShellsAtomic MassAtomic NumberProtonsElectrons | MetalsNon MetalsHalogensNoble GasesNeutronsMendeleev | CarbonHydrogenMethaneCoalOilGasAcid RainSulphur DioxideCarbon DioxideGlobal WarmingOzone LayerPollution | PlasticPolymersNylonNon-BiodegradablePolytheneCrude OilStrongWaterproofPVCPolystyreneDurableInsulation | HydrogenHeliumLithiumBoronCarbonOxygenNitrogenFluorineSodiumMagnesiumNeonPotassiumCalciumChlorineArgonAluminiumSiliconPhosphorousBerylliumSulphur |

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| **Chemical Bonding** | **The Alkali and Alkaline Earth Metals** | **Metals and non-metals** |
| IonicCovalentShareLoseGainIonsShellsElectronConductivityOctet RuleMagnesium OxideCrystal LatticeHydrogen MoleculeOxygen MoleculeMethane moleculeSodium Chloride | AlkaliAlkaline Earth | LustrousSonorousHardAlkaline EarthMalleableDenseReactivityRustDuctileConductorsAlkaliGalvaniseHydrochloric AcidHydrogenPaint |

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| **Measurement and Units** | **Energy** | **Magnetism** | **Light** | **Pressure** | **Heat** |
| LengthAreaKilogramOpisometerMassVolumeSecondCalipersTimeMetreMetre StickBalanceGraduated CylinderOver Flow Can | EnergySoundElectricalConservation of EnergyKineticLightMagneticRenewablePotentialChemicalNuclearNon RenewableTidalBiomassHydroelectricGeothermalWindSolarEnergy Conversion | IronRepulsionMagnetic FieldIron FilingsNorth PoleCoboltCompassSouth PoleNickelBar magnet | LightLuminousRefractionPeriscopePhotosynthesisNon LuminousSpectrumImageSolar EnergyDispersionConvex LensCrooke’s RadiometerShadowsReflectionConcave LensPrism | PressureDepthAltimeterPascalForceAtmospheric PressureIsobarBarometerAreaPressure GaugeLow PressureHigh Pressure | HeatConvectionBoiling PointInsulationExpansionRadiationMelting PointSolidsContractionBimetallic StripLatent HeatLiquidsConductionTemperatureCooling CurveGases |

**Key Words - Physics**

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| **Sound** | **Density and Flotation** | **Force, Work and Power** | **Center of Gravity**  | **Moments** | **Static Electricity** |
| SoundVibrationReflectionSound IntensityWaveMediumRefractionDecibelEnergyBell JarEchoUltrasound | FloatationDensity | NewtonMagnetic ForceSpring BalanceExtensionGravityFrictionWeightHooke’s LawElectric ForceLubricationMassWorkTimePowerNewtonForceJouleWattAverage PowerDistanceNewton MetreKilowatt | EquilibriumStableUnstable NeutralLeverLoadLamina | FulcrumMoment of ForceLaw of the Lever | Positive chargePerspex RodCurrentResistanceNegative chargePolythene RodAmpereOhmElectronInsulatorVoltageEarthingProtonConductorVoltsLightning Rod |

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| --- | --- | --- | --- |
| **Current Electricity** | **Electricity in the Home** | **Electronics** | **Velocity and Acceleration** |
| Ohm’s LawSeriesCurrentResistanceResistorParallelAmpereOhmVoltmeterAlternatingVoltageFlowAmmeterDirectVoltsCharge | Direct CurrentLive wireKilowatt hourElectroplatingAlternating CurrentNeutral WireFuseCircuit BreakerPlugEarth WireCurrent RatingCord Grip | DiodeForward BiasSwitchBuzzerLight Dependent Resistor LDRReverse BiasLampCircuitLight Emitting Diode LEDBatteryVariable Resistor | Speed**Motion**VelocityMetres/SSecondsDistanceAccelerationDirectionMetresTime |