**8a Acids and Alkalis**

 acid , alkali , corrosive , dilute , hydrochloric , indicator , lemon ,

 litmus , neutral , universal , vinegar

**8b Acids and Alkalis**

 acid , alkali , base , carbonate, metal , neutralisation ,

 nitric , oxide , potassium , reaction , salt , sulphate , sulphuric

**9a Waves**

 colour , converging , diverging , filter , focus , image , incidence , lens ,

 mirror , normal , plane , prism , reflect , transparent

**9b Waves**

 vibrate , sound , waves , frequency , microphone , decibel , pitch ,

 oscilloscope , echo

**10a Staying alive**

 alveoli , artery , breathe , diaphragm , muscles , oxygen , respiration ,

 veins

**10b Staying alive**

 addiction , antagonistic , bone , contract , hinge , ligament , muscle ,

 reflex , skeleton , stamina , strength , suppleness

**11a Mixing substances**

 chromatograph , filtration , insoluble , distil , filter , particle , mixture ,

 soluble , saturated , solute , solvent

**11b Mixing substances**

 atom , burning , chemical , compound , condenser , dissolve ,

 distillation , evaporate , formula , filter , mixture , molecule , pure ,

 separate , soluble , insoluble

**12a Earth and space**

 atmosphere , ellipse , eclipse , equator , galaxy , gravity , lunar ,

 moon , orbit , phase , planet , satellite , season , solar , star ,

 universe

**12b Earth and space**

 accelerate , atmosphere , balanced , ellipse , force , gravity , kilogram ,

 newton , planet , rocket , satellite , weight

**13a Plants**

 biomass , chlorophyll , chloroplasts , glucose , leaves , oxygen ,

 photosynthesis , respiration , starch

**13b Plants**

 conservation , decompose , fertiliser , herbivore , nitrogen , pesticide ,

 phosphorous , potassium , producer