**Key terms from Physical & Chemical Changes (C3.1)**

**Physical Changes**

**Chemical Changes**

**Key terms from Elements, Compounds & Mixtures (C3.2)**

**Elements**

**Compounds**

**Mixtures**

**Key terms from Atomic Structure & the Periodic Table (C3.3)**

**Atom**

**Electron**

**Nucleus**

**Proton**

**Neutron**

**Proton number**

**Nucleon number**

**Isotopes**

**Electrons shells**

**Valency electrons**

**Molecules**

**Key terms from Ions & Ionic Bonds (C3.4)**

**Ions**

**Ionic Bonds**

**The lattice structure of ionic compounds**

A regular arrangement of alternating positive and negative ions, exemplified by the sodium chloride structure

**Key terms from Molecules and Covalent Bonds (C3.5)**

**Covalent bonding**

**Volatility**

**Solubility**

**Electrical conductivity**

**Dot-and-cross diagrams**

**Key terms from Giant Structures (C3.6)**

**Graphite**

**Diamond**

**Silicon(IV) oxide (silicon dioxide)**