Chapter 2:

Atoms, molecules and ions

Atoms, ions (cation & anion)

- Atomic number and mass number
- Calculate number of p, e and n in atoms and ions
- Isotopes, isobaric and isotones

Periodic table

- **Element categories:** Metal, non metal and metalloid
- **Common names for the groups in the periodic table**
- **Molecules:** Diatomic (only two atoms) and polyatomic molecules (contains more than two atoms)

Chemical formulas

- **Empirical formula:** simplest whole-number ratio of the atoms CH
- **Molecular formula:** exact number of atoms C_6H_6
- Writing Ionic formula and calculate atom/ion valency

Naming Compounds

- Ionic Compounds: Cation (Metal or ammonium) + Nonmetal
- Molecular Compounds: Non-metal + non-metal
  Metaliod + non-metal