

September 14, 2015
MSE 2101 topics

- Building blocks of matter: atoms, molecules and compounds
- Protons, neutrons, electrons
- Charge and ions
- Chemical bonds
- Atomic number (Z) and mass number (A)
- Periodic table of elements
- Isotopes
- Phases of matter
- Energy: kinetic, potential (beware of the book error – no such thing as radiative energy!)
- Light: continuum (thermal) emission, discrete emission
- Light: absorption
- The spectrum of light
- Fingerprinting chemical elements