3.1 Light and Electromagnetic Radiation

- Maxwell's discovery
- Properties of EM radiation
- Production of EM radiation
- Spectrum of EM radiation



James Clerk Maxwell

Wave properties of light

- Maxwell discovered that light is a form of electromagnetic radiation.
- Electromagnetic waves are produced that propagate through a vacuum at the speed of light.
- The speed of light is a fundamental constant. c=2.99792 m/s



























X-rays penetrate soft tissue but are absorbed by heavy atoms, such as Calcium in bones.