The planetary model of the atom shows electrons orbiting the nucleus.
The cloud model of atomic structure shows the regions where electrons spend most of their time.
Molecules of some common compounds

- water ($H_2O$),
- carbon dioxide ($CO_2$),
- methane ($CH_4$),
- salt (sodium chloride) ($NaCl$)
Electric current passes through a filament, making it glow.

Electrons in a wire are squeezed through a filament, making it glow.

Current flow.
The electromagnetic spectrum

- gamma rays
- x-rays
- ultraviolet
- visible light
- infrared
- microwave
- radio

High energy, high frequency, short wavelengths.
Low energy, low frequency, long wavelengths.

The electromagnetic spectrum