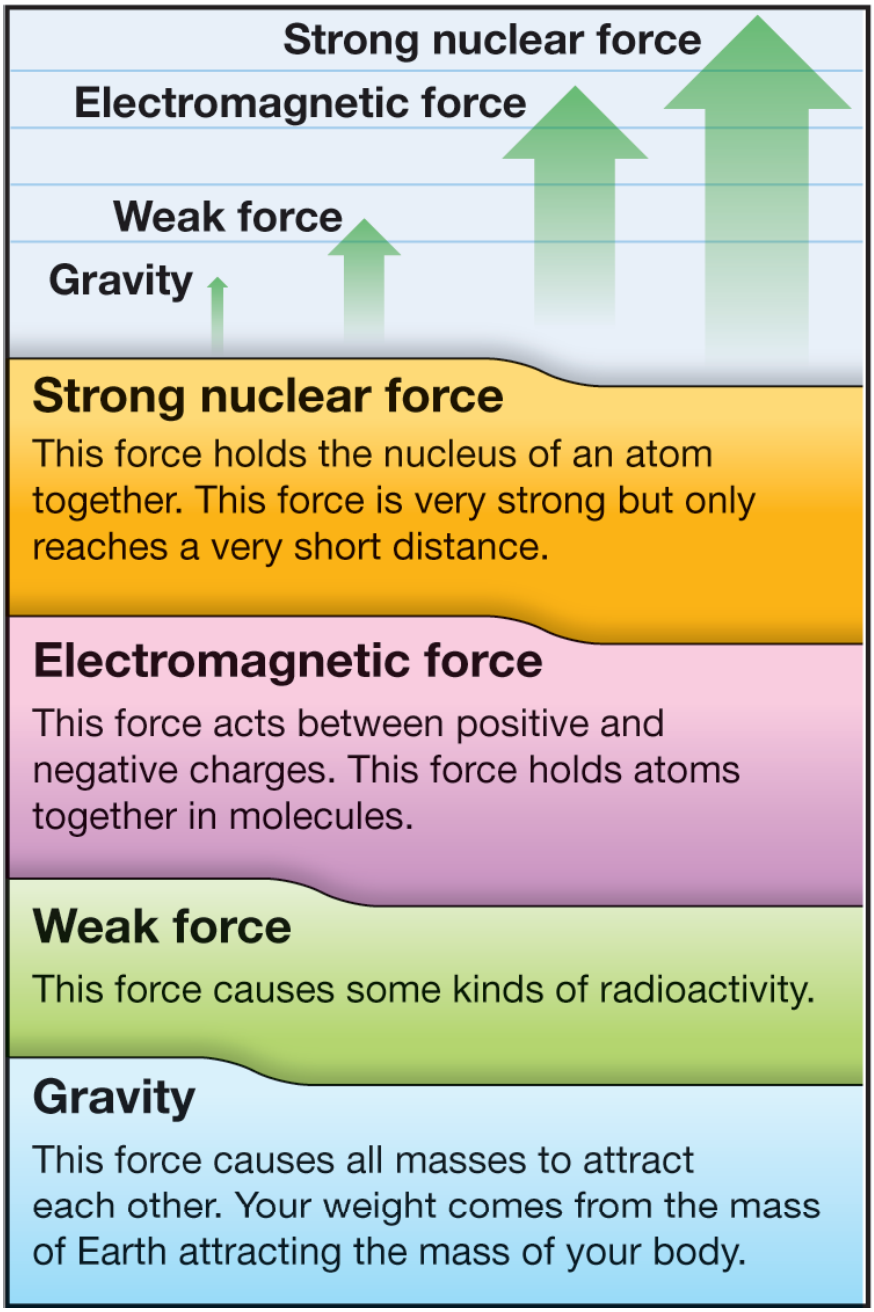
Four Elementary Forces



Strong nuclear force

This force holds the nucleus of an atom together. This force is very strong but only reaches a very short distance.

Electromagnetic force

This force acts between positive and negative charges. This force holds atoms together in molecules.

Weak force

This force causes some kinds of radioactivity.

Gravity

This force causes all masses to attract each other. Your weight comes from the mass of Earth attracting the mass of your body.