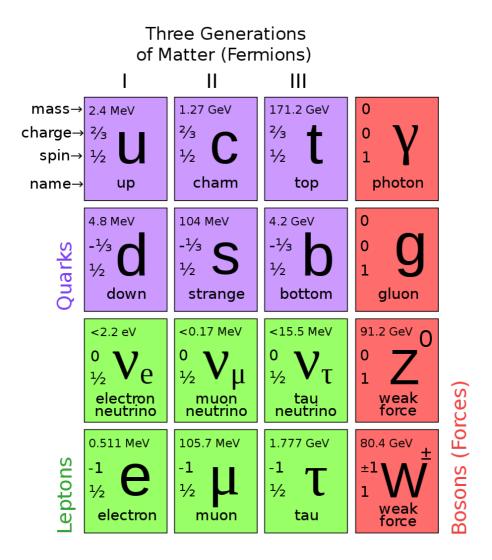
Answer on Question # 52404 - Physics-Quantum Mechanics.

Standard model — theoretical construction which describe strong, weak and electromagnetic interaction between elementary particles.



There are 12 fundamental blocks of material, that subdivide on 2 groups — six quarks (u,d,s,c,b,t) six antiquarks and six leptons (electron,muon,tau lepton, e neutrino,mu neutrino, tau neutrino) and six antiparticles that correspond to leptons . Those particles take part in strong, weak and electromagnetic interaction.

Quarks take part in strong interaction. Quarks have special charecterisitc -flavor which is key description . The particle madiating is Gluon.

Weak interaction influences flavor -special point of freedom of quarks and leptons. In this case the madiating particles are W-boson and Z-boson.

And the last is electromagnetic interaction which occures between two charged particles. The madiative particle of electromagnetic interaction is photon.