

Quiz 2, Jan. 16, 2001

3) Which one of the following phenomena is NOT due primarily to the electromagnetic force?

- a) boiling water (E&M, phase change of matter)
- b) length of a year (Earth held in orbit the sun by Gravity)
- c) color of a laser (E&M, light - photons)
- d) a desert mirage (E&M), light - photons)
- e) pressure in a tire (E&M, collisions of atoms - electrons)

4) Neither of these particles are found in the atomic nucleus:

- a) protons and electrons
- b) only protons
- c) electrons and neutrinos (neutrinos “created” in beta decay)
- d) neutrons and electrons
- e) protons and neutrons