

Quiz 1

August 28, 2003

- 1) Which action is DUE primarily to the effects of the Strong Nuclear force?
 - a) beta decay of a radioactive isotope
 - b) color of blood
 - c) weight of a nuclear reactor
 - d) binding of neutrons and protons
 - e) A magnet bending moving protons
- 2) Which one of the following phenomena is NOT due primarily to the electromagnetic force?
 - a) boiling water
 - b) length of a year
 - c) color of a laser
 - d) a desert mirage
 - e) pressure in a tire
- 3) The elastic force generated by a stretched object is
 - a) repulsive
 - b) compression
 - c) strong nuclear
 - d) tension
 - e) none of the above
- 4) Which of the following objects is *elastic* in normal use
 - a) shirt (does not same shape after distortion)
 - b) ice cream
 - c) concrete walkway (concrete is a very strong spring)
 - d) toothpaste
 - e) butter