

ENGR 240
Homework #1
Due: Friday, January 19, 2001

1. Choose an object that you use on a regular basis that is made of at least two components (two different materials, like the screwdriver). For each component, indicate the material class it falls into (metal, polymer, ceramic, etc.), and list at least four properties that are important to its particular function.

- 2a. Using density and atomic weight information, determine the edge length (cm) of a cube that contains 2 moles of titanium.

- 2b. How many individual titanium atoms are contained in your cube from 2a?