Quiz 2

Chem 10 – Dr. Kline
3/4/04 Name _____

1. Indicate whether each of the following is a chemical or a physical change.

   a. A lump of coal is crushed. _____

   b. Liquid propane in a tank ignites and burns upon contact with a spark. _____

2. Fill in the blank. It is not necessary to show work, but it may help your score if you happen to get the answer wrong.

   a. 3,400 cal = _____ kcal

   b. 53°C = _____ K

3. The density of solid nickel is 8.90 g/cm^3. Convert this density to units of ounces per cubic inch (oz/in^3). Show work with units: the method shown in class in which conversion factors are written as fractions and multiplied by the original number is highly recommended.
   1 pound (lb) = 453.59 g. 1 ounce (oz) = 28.35 g. 1 inch (in) = 2.54 cm (exact). 1 foot (ft) = 30.48 cm.