**QUESTIONS TO HAND IN – EXPERIMENT 2**

**NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**LAB INSTRUCTOR\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_LAB DAY/TIME\_\_\_\_\_\_\_\_\_\_ \_ \_\_**

**1.** What is the volume of a cube that is 4 cm on a side?

**2.** What is the area of the base of a cylinder that has a diameter of 2 cm?

**3.** What is the volume of a cylinder with a diameter of 2 cm and a height of 5 cm?

**4.** The density of an object is 2.2 g/cm3 = 2,200 kg/m3.  If it has a mass of 50 g, what is its volume?

**5.** The diameter of a cylinder is measured to be 2.015±0.005 cm.  What is the least count of the measuring instrument and what do you think the instrument is a ruler, a vernier caliper or a micrometer?