**Conversion Problem set Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_pd\_\_\_\_date\_\_\_\_\_\_\_\_\_**

**Write the correct abbreviation for each metric unit:**

(1) kilogram (4) milliliter (7) kilometer

(2) meter (5) nanometer (8) centimeter

(3) gram (6) microgram (9) megagram

**Compare using <, >, or =**

**(10)** 63 cm 6 m **(12)** 5 g 508 mg **(14)** 1,500 mL 1.5 L

**(11)** 536 cm 53.6 dm **(13)** 43 mg 5 g **(15)** 3.6 µg 300ng

**Perform the conversions below, be sure to show all work!**

**A)** 200 mg of aspirin to grams **B)** 5.6 kg = g

**C)** 4.93 x 106 µL of saline to mL **D)** 390 cs = ms

**E)** Light travels at 2.998 x 108  m/s. How fast does light travel in km/ns?

**F)** The density of is aluminum is 2.70 g/cm3, convert the density to Kg/m3