Student Name a Date a

***QUIZ: Properties of Matter***

1. Calculate the area of the rectangle (remember to write your units in your answer!):

8 cm

5 cm

1. Calculate the volume of the box (remember units!):

3 in

7 in

2 in

1. How many milliliters (mL) are in 1liter (L)?
   1. 10
   2. 100
   3. 1000
   4. 10,000
2. Convert 400 milliliters (mL) to liters (L):
3. What is the basic unit of mass in the metric system?
   1. pounds (lbs)
   2. milligrams (mg)
   3. grams (g)
   4. kilograms (kg)
4. Convert 1.5 grams (g) to milligrams (mg):
5. Convert 2.2 kilograms (kg) to grams (g):
6. Find the density of the box (remember to write your units!):

Mass = 4.5 g

Volume = 9 cm3

1. Find the density of the liquid (units!):

Mass = 140 g

Volume = 350 mL

1. Find the density of the box (units!):

**216 g**

3 cm

12 cm

2 cm