

Name: \_\_\_\_\_

## HW 2: Unit Conversion

*Use the conversion factors below to solve the following problems.*

$$2.54 \text{ cm} = 1 \text{ inch}$$

$$1000 \text{ L} = 1 \text{ m}^3$$

$$1 \text{ year} = 365 \text{ days}$$

$$1 \text{ day} = 24 \text{ hours}$$

$$2.2 \text{ lbs} = 1 \text{ kg}$$

$$1 \text{ gallon} = 3.78541 \text{ liters}$$

1.  $45.6 \text{ cm} = \underline{\hspace{2cm}} \text{ inches}$

2.  $34.5 \text{ years} = \underline{\hspace{2cm}} \text{ hours}$

3.  $27 \text{ inches} = \underline{\hspace{2cm}} \text{ mm}$

4.  $1 \text{ m}^3 = \underline{\hspace{2cm}} \text{ mL}$

5.  $21 \text{ lbs} = \underline{\hspace{2cm}} \text{ g}$

6.  $3 \text{ liters} = \underline{\hspace{2cm}} \text{ gallons}$