

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

# Chemistry Conversion Factors Quiz

Use the given conversion factors to convert each measurement to the specified unit.  
Show your work for full credit.

## Conversion Factors:

1m = 100cm  
1m = 1000mm  
1km = 1000m  
1L = 1000mL  
1kg = 1000g  
1g = 1000mg  
1mol =  $6.022 \times 10^{23}$  particles  
1atm = 760mmHg  
1in = 2.54cm  
1ft = 12in

## Problems:

- |             |    |             |                 |
|-------------|----|-------------|-----------------|
| 1. 1230cm = | m  | 6. 48in =   | cm              |
| 2. 6.7m =   | mm | 7. 3.2L =   | mL              |
| 3. 4km =    | m  | 8. 2750mL = | L               |
| 4. 2300mm = | cm | 9. 1.5L =   | cm <sup>3</sup> |
| 5. 50ft =   | in | 10. 6500g = | kg              |