

Name: _____ Date: _____



Basic Chemistry Unit Conversions

Convert the following measurements to the units indicated. Show your work for full credit.

Conversion Factors:

- 1 meter (m) = 100 centimeters (cm)
- 1 meter (m) = 1000 millimeters (mm)
- 1 kilometer (km) = 1000 meters (m)
- 1 liter (L) = 1000 milliliters (mL)
- 1 kilogram (kg) = 1000 grams (g)
- 1 gram (g) = 1000 milligrams (mg)
- 1 mole (mol) = 6.022×10^{23} particles
- 1 atmosphere (atm) = 760 millimeters of mercury (mmHg)

10. How many degrees Fahrenheit are in 30.00°C?

11. How many milliliters are in 0.75 L?

12. How many cm are in 0.283 m?

13. How many meters are in 2.3 km?

14. How many liters are in 2.5 mL?

15. How many mm are in 0.23 m?

