

**Chemistry Dimensional Analysis #1**    Name \_\_\_\_\_ Pd\_\_No\_\_

For full credit, SHOW ALL WORK. Remember to include units with all numbers.

1. Convert 25 kilograms to pounds.
  
  
  
  
  
  
  
  
  
  
2. Convert 6.5 inches to centimeters.
  
  
  
  
  
  
  
  
  
  
3. Convert 77,554 kilometers to miles.
  
  
  
  
  
  
  
  
  
  
4. Convert 90. km/hour to miles/second.
  
  
  
  
  
  
  
  
  
  
5. Convert 88 meters/cm<sup>3</sup> to inches/mL.
  
  
  
  
  
  
  
  
  
  
6. Convert 55 miles/min to meters/second.
  
  
  
  
  
  
  
  
  
  
7. Convert 6.7 g/mL to g/in<sup>3</sup>.
  
  
  
  
  
  
  
  
  
  
8. Convert 70. miles/hour to meters/second.

**Chemistry Dimensional Analysis #2**    Name \_\_\_\_\_ Pd\_\_No\_\_

For full credit, SHOW ALL WORK. Remember to include units with all numbers.

1. Convert 234 miles/hour to meters/second.

2. Convert 50.077 cm/second to inches/hour.

3. Convert 234 km/hour to miles/hour.

4. Convert 80.543 meters/cm<sup>3</sup> to miles/ft<sup>3</sup>

5. Convert 6,345 miles/ft<sup>3</sup> to meters/liters.

6. Convert 77.9 cm/L to inches/mL.