Chemistry

Name:
Date:
Period:

Melting Points and Boiling Points of Metals
Farenheit, Celsius, and Kelvin Measures

The melting point and boiling point on each of the following metals is given in either Farenheit or Celsius. Fill in the rest of the table, showing all your work. Use the back of the paper if necessary.

Metal	Melting Point in Farenheit	Melting Point in Celsius	Melting Point in Kelvin	Boiling Point in Farenheit	Boiling Point in Celsius	Boiling Point in Kevin
1.Aluminum	1217			4442		
2. Copper		1083			2595	
3. Gold		1063			2971	
4. Iron	2786			5430		
5. Lead	621			3137		
6. Nickel		1452			2732	
7. Silver	1761			4010		
8. Tin		231			2271	
9. Tungsten	5432			10706		
10. Zinc		419			906	

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DENSITY CALCULATIONS PRACTICE PROBLEMS

Solve the following problems involving density calculation and be sure to have the proper number of significant digits. Please show units where appropriate. Note that the final answers are at the bottom of the page in small font.

Formulas For Density Calculations

1) Density = Mass/Volume (D= M/V) **2) Volume = Mass/Density (V= M/D)**

3) Mass = Density x Volume (M = D x V)

1) **Wood has a density of 5.53g/cm^3. What must the volume of 33.3 g of wood?**

2) **Copper has a density of 4.44 g/cm^3. What is the volume of 2.78g of copper?**

3) **Sodium has a density of 1.95 g/cm^3. What is the volume of 56.2g of sodium?**

4) **What is the density of a piece of iron that has a mass of 59.8g and a volume of 2.08 cm^3?**

5) **What is the density of mercury that has a mass of 39.6 g and a volume of 9.00 cm^3?**

6) **Granite has a density of 4.67 g/cm^3. What is the mass of 46.8 cm^3 of granite?**

7) **Corn oil has density of 6.89 g/cm^3. What is the mass of 34.0 cm^3 of corn oil?**