

Worksheet 6

1. How many moles are in 224 grams of carbon?

Answer _____

2. How many grams are in 4.87 moles of iron?

Answer _____

3. How many atoms are in 45 moles of silver?

Answer _____

4. How many grams are in 34 moles of water H_2O ?

Answer _____

5. 54 moles of sucrose $C_{12}H_{22}O_{11}$ is how many molecules?

Answer _____

6. 54 moles of KCl is how many grams?

Answer _____

7. 5.23×10^{24} atoms of nitrogen is how many moles?

Answer _____

8. 5 moles of water has how many moles of hydrogen?

Answer _____

9. What is the mass in grams of 5.6 moles of NaCl?

Answer _____

10. 28 grams of gold contains how many atoms of gold?

Answer _____

11. Give the name and formula of the compound that forms between the following elements

Elements	Formula	Name
Potassium and oxygen	K_2O	Potassium Oxide
Sodium and sulfur		
Calcium and oxygen		
Aluminum and bromine		
Lithium and nitrogen		
Magnesium and iodine		
Aluminum and phosphorous		

