



Chemistry

Name: _____

Section _____ PERCENT COMPOSITION Date: _____

Determine the percent composition by mass in each of the compounds below.

1. H₂O
H
O

2. Al(NO₃)₃
Al
N
O

3. (NH₄)₂S
N
H
S

4. Na₂CO₃
Na
C
O

Determine the percent composition by mass of water in the following hydrates.

5. MgSO₄·7H₂O

6. copper(II) chloride dihydrate

Solve the following problems.

7. How many grams of oxygen can be produced from 75.0 g of Mg(ClO₃)₂?

8. How much silver can be recovered from 500. g of AgCl?

9. How much iron can be smelted from 250.0 kg of iron(II) sulfide?
