

Percentage Composition Worksheet

Give the % composition of all elements in these compounds. *Show all work!*

- 1) ammonium sulfite % N _____
 $(\text{NH}_4)_2\text{SO}_3$ % H _____
 % S _____
 % O _____
-

- 2) aluminum acetate % Al _____
 $\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$ % C _____
 % H _____
 % O _____
-

- 3) sodium bromide % Na _____
 % Br _____
-

- 4) copper (II) hydroxide % Cu _____
 % O _____
 % H _____
-

- 5) magnesium carbonate % Mg _____
 % C _____
 % O _____
-

6) iron (II) phosphate % Fe _____
 % P _____
 % O _____

7) beryllium nitride % Be _____
 % N _____

8) potassium cyanide % K _____
 % C _____
 % N _____

9) manganese (III) nitrate % Mn _____
 % N _____
 % O _____

10) lithium phosphide % Li _____
 % P _____

11) nickel (III) sulfate % Ni _____
 % S _____
 % O _____

Percentage Composition Worksheet – Answer Key

Give the % composition of all elements in these compounds. *Show all work!*

- 1) ammonium sulfite
- | | |
|-----|-------------|
| % N | 24.1 |
| % H | 6.9 |
| % S | 27.6 |
| % O | 41.3 |
-

- 2) aluminum acetate
- | | |
|------|-------------|
| % Al | 13.2 |
| % C | 35.3 |
| % H | 4.4 |
| % O | 47.1 |
-

- 3) sodium bromide
- | | |
|------|-------------|
| % Na | 22.4 |
| % Br | 77.6 |
-

- 4) copper (II) hydroxide
- | | |
|------|-------------|
| % Cu | 65.1 |
| % O | 32.8 |
| % H | 2.1 |
-

- 5) magnesium carbonate
- | | |
|------|-------------|
| % Mg | 28.8 |
| % C | 14.2 |
| % O | 56.9 |
-

