Percentage Composition Worksheet

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

---

1) ammonium sulfite % N _____

% H _____

% S _____

% O _____

---

2) aluminum acetate % Al _____

% C _____

% H _____

% O _____

---

3) sodium bromide % Na _____

% Br _____

---

4) copper (II) hydroxide % Cu _____

% O _____

% H _____

---

5) magnesium carbonate % Mg _____

% C _____

% O _____

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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 _____

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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**

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6) iron (II) phosphate % Fe **46.8**

% P **17.3**

% O **35.8**

---

7) beryllium nitride % Be **49.1**

% N **50.9**

---

8) potassium cyanide % K **60.1**

% C **18.4**

% N **21.5**

---

9) manganese (III) nitrate % Mn **22.8**

% N **17.4**

% O **59.8**

---

10) lithium phosphide % Li **40.0**

% P **60.0**

---

11) nickel (III) sulfate % Ni **28.9**

% S **23.7**

% O **47.3**

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