

Empirical Formulas #1

Determine the empirical formulas given the following percent compositions. Put the elements into the formulas in the order in which they appear in the problem. Remember, never put a 1 in a formula - it's NaF, not Na1F1.

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* Required

1. Name (Last, First) *

2. Period? *

Mark only one oval.

- ☐ 1
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7

3. True or false. Cannibals do not eat clowns because they taste funny. *

Mark only one oval.

- ☐ True
☐ False

4. 1) Find empirical formula if % composition is:
69.6% barium, 6.1% carbon, 24.3 % oxygen.
(Remember 1st letter in symbol is capitalized
while the 2nd one is lower case) *

5. 2) Find empirical formula if % composition is:
40.5% zinc, 19.9% sulfur, 39.6% oxygen.
(Remember 1st letter in symbol is capitalized
while the 2nd one is lower case) *

6. 3) Find empirical formula if % composition is:
88.8% copper, 11.2% oxygen. (Remember 1st
letter in symbol is capitalized while the 2nd
one is lower case) *

7. 4) Find empirical formula if % composition is:
79.9% copper, 20.1% oxygen. (Remember 1st
letter in symbol is capitalized while the 2nd
one is lower case) *

8. 5) Find empirical formula if % composition is:
36.7% potassium, 33.3% chlorine, 30.0%
oxygen. (Remember 1st letter in symbol is
capitalized while the 2nd one is lower case) *

9. 6) Find empirical formula if % composition is:
28.2% potassium, 25.6% chlorine, 46.2%
oxygen. (Remember 1st letter in symbol is
capitalized while the 2nd one is lower case) *

10. 7) Find empirical formula if % composition is:
40.2% potassium, 26.8% chromium, 33.0%
oxygen. (Remember 1st letter in symbol is
capitalized while the 2nd one is lower case) *

11. 8) Find empirical formula if % composition is:
26.6% potassium, 35.3% chromium, 38.1%
oxygen. (Remember 1st letter in symbol is
capitalized while the 2nd one is lower case) *

12. 9) Find empirical formula if % composition is:
43.7% phosphorus, 56.3% oxygen. (Remember
1st letter in symbol is capitalized while the 2nd
one is lower case) *

13. 10) Find empirical formula if % composition is:
90.7% lead, 9.33% oxygen. (Remember 1st
letter in symbol is capitalized while the 2nd
one is lower case) *

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