

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!

Determining Empirical Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - *Percent to mass*
 - *Mass to Moles*
 - *Divide by small*
 - *Multiply by whole*

Note When multiplying by whole, you need to multiply each element by the same number!