

ELEMENTS, COMPOUNDS, AND MIXTURES PRACTICE WORKSHEET

Answer the following questions.

1. Look at the following substances. Circle the elements.

a) Li

b) N₂

c) CO

d) Cl₂

e) S₈

f) NaCl

2. How many elements make up each compound?

a) HCl

b) CaCO₃

c) HNO₃

d) H₂SO₄

3. How many atoms are there in each of these molecules?

a) N₂

b) CO₂

c) O₃

d) CH₄

e) SO₂

f) C₂H₄

4. Circle the molecule with the most atoms in each pair.

a) HCl or POCl

b) NH₃ or HNO₃

c) C₃H₈ or C₂H₅OH

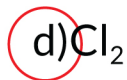
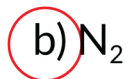
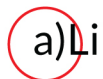
d) CH₃COCH₃ or C₆H₆

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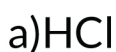
Answer the following questions.

Answers

1. Look at the following substances. Circle the elements.



2. How many elements make up each compound?



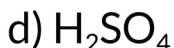
2 (H & Cl)



3 (Ca, C & 3O)

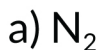


3 (H, N & 3O)



3 (S, 2H, & 4O)

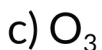
3. How many atoms are there in each of these molecules?



2 (2 N)



3 (C and 2O)



3 (3O)



5 (C and 4H)



3 (S and 2O)



6 (2C and 4H)

4. Circle the molecule with the most atoms in each pair.

