

Key

Study Guide Elements, Compounds Quiz 2016

Multiple Choice:

- C 1) Which is an element?
a. Baking soda
b. Water
c. Pure Iron
d. Sodium Chloride (Salt)
- D 2) Which substance below is a compound
a. Na
b. P
c. Xe
d. HCl
- C 3) Which of the following is NOT true about compounds?
a. Compounds are combinations of elements that join in specific ratios according to their masses.
b. The mass ratio of a specific compound is always the same.
c. Compounds are random combinations of elements.
d. Different mass ratios mean different compounds.
- D 4) Which group of elements contain only one atom?
a. S, Co, F, N₂
b. Mg, H₂, O, Cs₂
c. Na, Cl₂, O, Ne
d. N, Sc, O, Xe

Word Bank:

- A. Chemical
B. Physical
C. Element
D. Compound

- A 5) The only way to break down a compound is through a _____ change.
C 6) A compound is different from the _____ that reacted to form it.
C 7) A substance that contains only one type of particle is a(n) _____.
D 8) CO₂; H₂O, C₆H₁₂O₆
C 9) O₃ and He
C 10) See Picture 1
D 11) See Picture 2

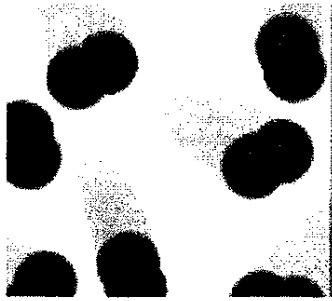
Metals, Non-Metals, and Metalloids:

Indicate whether the description applies to a metal, a nonmetal, or a metalloid. Write the correct letter in the space provided.

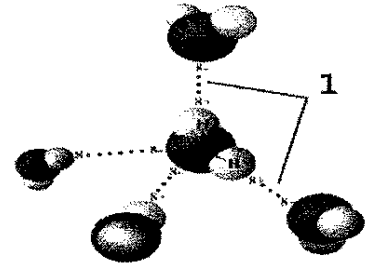
- A. Metal B. Metalloid C. Non-metal

- A 12) are good conductors
B 13) are always shiny are also called semiconductors
B 14) are dull or shiny
C 15) are always dull are somewhat ductile
C 16) include sulfur, gases, neon
C 17) tend to be brittle and unmalleable as solids

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Element



Compound