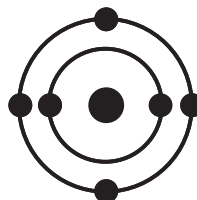


SCIENCE NINJAS VALENCE[®] Chemistry Quiz!



- How many atoms are in a water molecule?
 - 1
 - 2
 - 3
 - 4
- How many fluorine atoms would be required to create a neutral compound with carbon to form a halocarbon?
 - 1
 - 2
 - 3
 - 4
- What is always part of an Acid?
 - Carbon
 - a Halogen (like Chlorine or Fluorine)
 - Hydrogen
 - Oxygen
- In the game Valence, what is always part of a Base?
 - a Sodium-Oxygen pair
 - an Oxygen-Hydrogen pair
 - Carbon
 - a Carbon-Hydrogen pair
- In Valence, the products of an Acid-Base reaction are _____ and _____.
 - Carbon Dioxide and Oxygen
 - Salt and Water
 - Water and Metal Oxide
 - Carbon Dioxide and Salt
- In Calcium Chloride, there is a ratio of _____ Calcium to _____ Chlorine
 - 1, 2
 - 1, 1
 - 2, 1
 - 1, 4
- Which of the following elements are metals?
 - Carbon and Hydrogen
 - Fluorine and Chlorine
 - Sodium, Potassium, and Calcium
 - Oxygen and Carbon
- Carbon's valence number is 4. Looking at this diagram of Carbon, what does the "4" refer to?
 - the number of protons
 - the number of neutrons
 - the number of electrons
 - the number of valence electrons
- Which of these Elements are most similar?
 - Sodium and Potassium
 - Carbon and Oxygen
 - Oxygen and Chlorine
 - Hydrogen and Potassium



11. Which of these compounds is the most stable?

- A. Sodium Oxide
- B. Carbon Dioxide
- C. Hydrofluoric Acid
- D. Sodium Hydroxide

12. Which Element has the lowest Atomic number?

- A. Hydrogen
- B. Oxygen
- C. Sodium
- D. Carbon

13. Which of the following is a Salt?

- A. Carbon Dioxide
- B. Carbon Tetrafluoride
- C. Calcium Oxide
- D. Sodium Fluoride