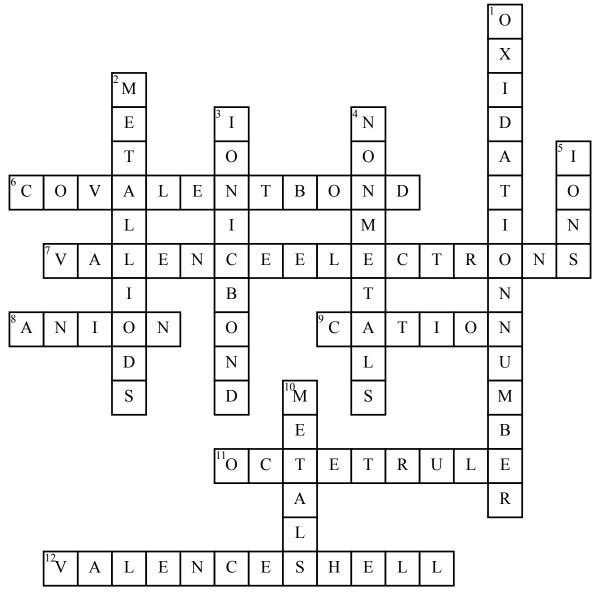
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## **Bonding Elements Crossword**



## Across

- **6.** This is the type of bond where electrons are shared between atoms.
- 7. The electrons found on the most outermost shell of an atom. This is where chemical reactions and bonding take place.
- **8.** Atoms that gain electrons and become negative.
- **9.** Atoms that lose electrons and become positive.
- 11. Atoms want to have eight electrons on their outer shell to become stable.

**12.** The outer most shell of an atom.

## **Down**

- 1. The total number of electrons that an atom either gains or loses in order to form a chemical bond with another atom.
- 2. These touch the staircase in the periodic table and have properties of both metals and non-metals
- **3.** Type of bond where atoms give electrons to other atoms and there's an attraction between oppositely charged ions.
- **4.** These are found to the right of the staircase and form covalent bonds with each other, or take away electrons from metals to form ionic bonds and become negatively charged.
- **5.** Atoms with either a positive or negative electrical charge.
- 10. These are found to the left of the staircase and form ionic bonds with non-metals. They give away electrons and become a positively charged except for hydrogen.