



Intro to Chemistry Vocabulary Terms

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| 1. Covalent Bond | A chemical bond formed when two non-metal atoms share electrons |
| 2. Ionic Bond | A chemical bond formed between oppositely charged ions after electrons are transferred from a metal to a non-metal. |
| 3. Metallic Bond | A chemical bond formed when a sea of electrons are shared between all positively charged metal nuclei. |
| 4. Hydrogen Bond | Weak attraction bond between two different polar molecules, one of them containing a hydrogen atom. |
| 5. Polar Molecule | A molecule that has oppositely charged ends due to unequal sharing of electrons . |
| 6. Solid | A state of matter with a definite shape and volume |
| 7. Liquid | A state of matter that has a definite volume but no definite shape. |
| 8. Gas | A state of matter with no definite shape or volume |
| 9. Physical Change | A change in a substance that does not involve a change in the identity of the substance. |
| 10. Chemical Change | When one or more substances react together to produce a new substance. |
| 11. Element | A pure substance made of only one kind of atom. |
| 12. Compound | A pure substance made up of two or more different elements. |
| 13. Homogeneous Mixture | A mixture in which substances are evenly mixed and cannot be distinguished from one another. |
| 14. Heterogeneous Mixture | A mixture in which different materials can be distinguished easily. |
| 15. Reactant | |
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A chemical substance that is present at the start of a chemical reaction.

16. **Product**

A substance produced during a chemical reaction.

17. **Catalyst**

A substance that speeds up the rate of a chemical reaction.

18. **Acid**

A substance that releases hydrogen ions (H^+) when dissolved in water.

19. **Base**

A substance that removes hydrogen ions (H^+) when it is dissolved in water.

20. **Buffer**

A chemical that can help prevent drastic changes in pH
