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Chemistry - Chapter 6 Vocabulary

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| **Across**  **1.** electrons that can move between several different bonds  **4.** states that an atom tends to gain, lose, or share electrons until its outer level s and p orbitals are filled with eight electrons  **8.** groups of atoms that maintain a constant electrical charge while existing as a unit in a wide variety of chemical reactions  **10.** the tendecy of an object to form two localized regions of opposite character  **12.** a force of attraction that holds atoms together in compounds that is produced by the transferring or sharing of electrons  **13.** forces exerted by electrical charges  **14.** offers an explanation of how metals bond  **15.** an extensive 3D structure of points or objects that represents the regular, alternating pattern of atoms or ions | **Down**  **2.** substances made of atoms covalently bonded into a continuous 3D network  **3.** the electrostatic attraction between two oppositely charged ions in a solid  **5.** 2D diagrams that use element symbols and dots to show the bonds between different atoms  **6.** a mixture of the atoms of a metal with another element where the mixture has metallic properties  **7.** bond created by a communal sharing of electrons between metal atoms  **9.** the simplest ration of elements in an ionic compound that describes its composition  **11.** bond created when two atoms held together in an ion or molecule by their attraction for the same pair of shared electrons |