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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 |