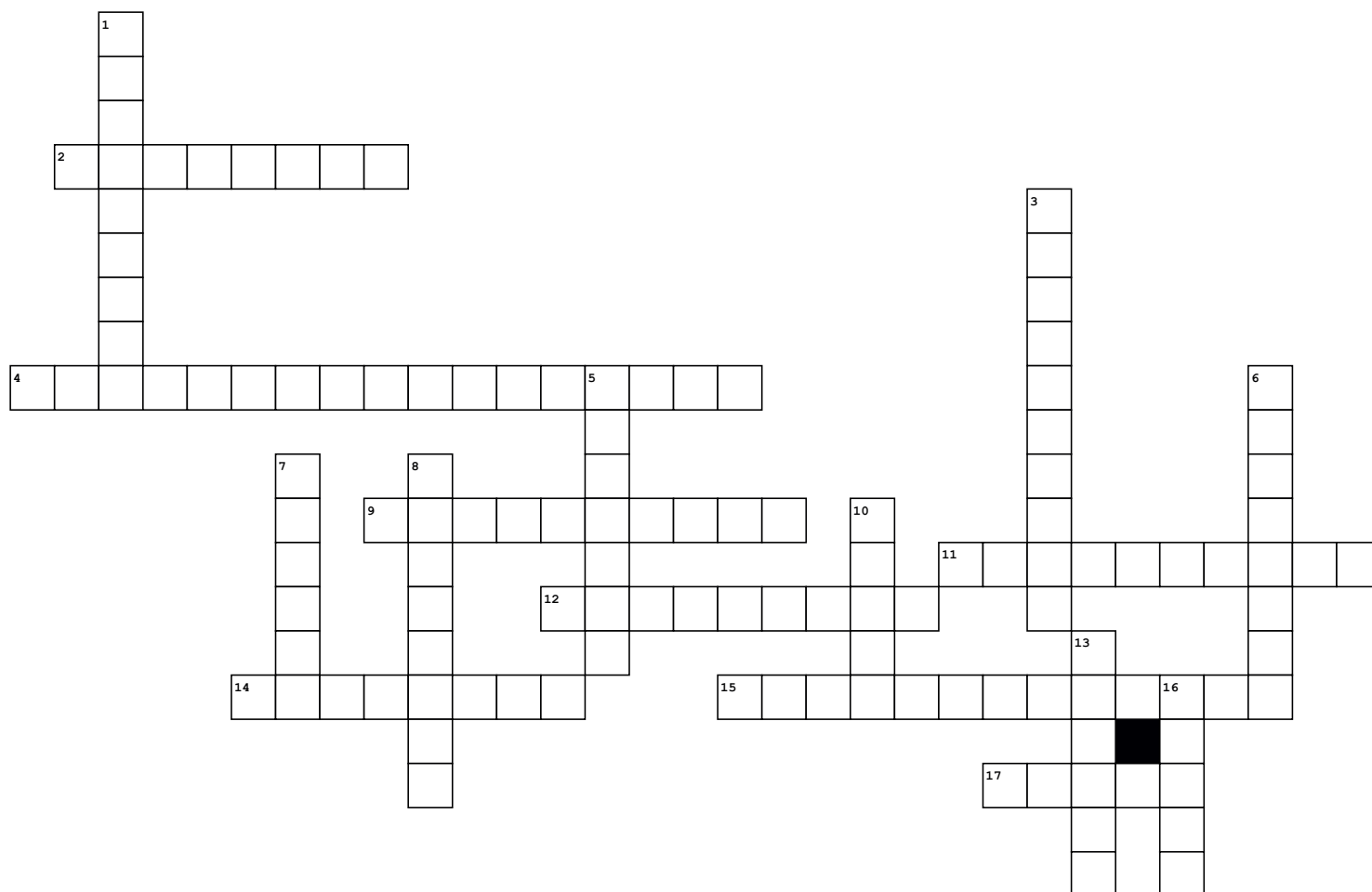


Chemical Bonding



Across

- 2. - Bond formed by sharing electrons
- 4. - Atom's ability to attract electrons
- 9. - Covalent bond involving two pairs of shared electrons
- 11. - Covalent bond involving one pair of shared electrons
- 12. - Atoms tend to gain, lose, or share electrons to get 8 electrons in outer shell
- 14. - Bond found in metals where electrons move freely
- 15. - Mixing of atomic orbitals to form new, identical hybrid orbitals
- 17. - Negatively charged ion

Down

- 1. - Occurs when more than one valid Lewis structure can be drawn for a molecule
- 3. - Covalent bond involving three pairs of shared electrons
- 5. - Electrons in the outermost energy level
- 6. - Weak bond between a hydrogen atom and an electronegative atom
- 7. - Pair of electric charges or poles separated by a distance
- 8. - Molecule with an even distribution of charge
- 10. - Molecule with uneven distribution of charge
- 13. - Positively charged ion
- 16. - Bond formed by transferring electrons