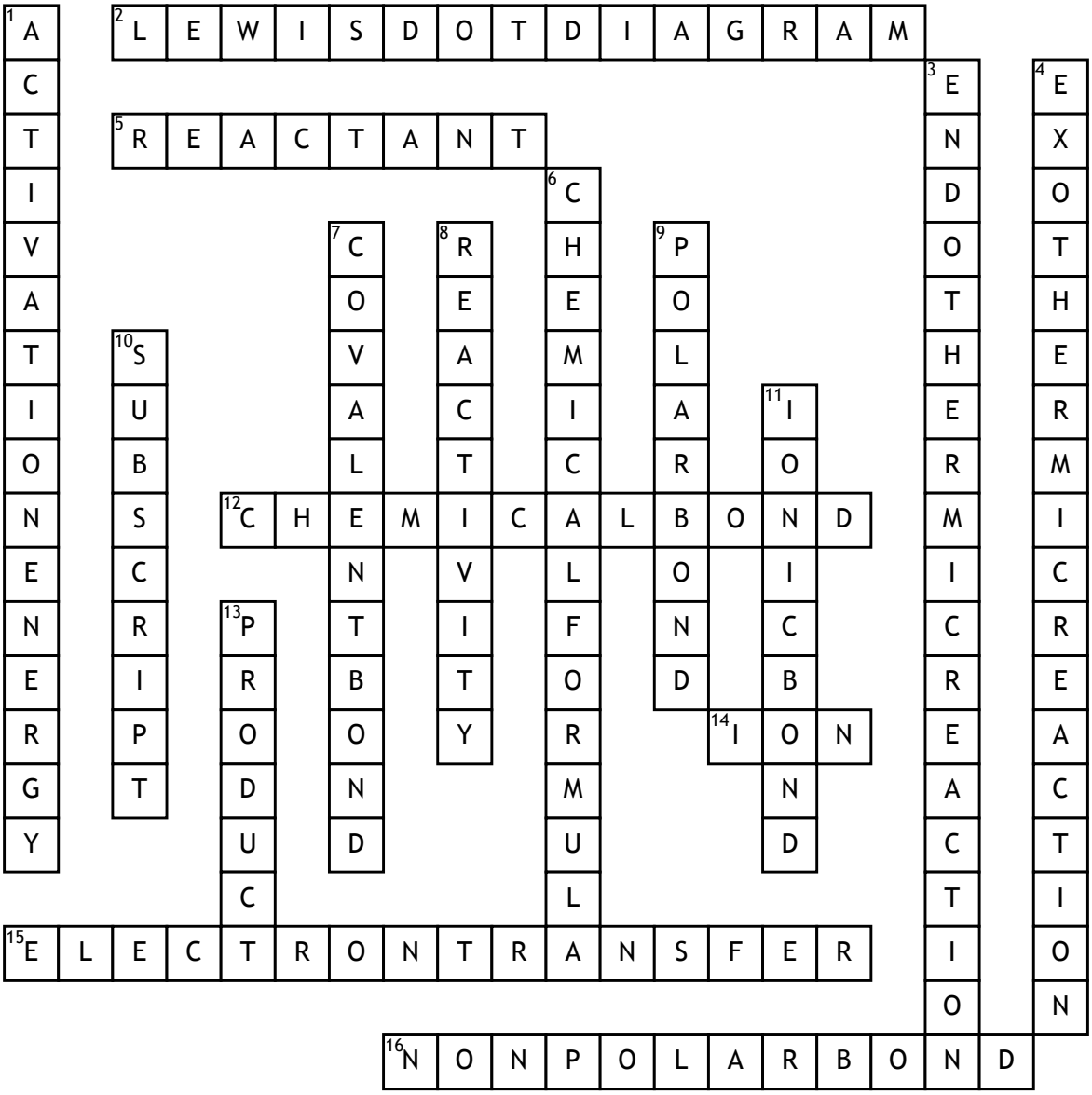
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CHEMICAL REACTIONS VOCABULARY



Across

2. are diagrams that show the bonding between atoms of a molecule and the lone pairs of electrons that may exist in the molecule.

5. a substance that takes part in and undergoes change during a reaction.

12. a strong force of attraction holding atoms together in a molecule or crystal, resulting from the sharing or transfer of electrons.

14. an atom or a molecule in which the total number of electrons is not equal to the total number of protons

15. when an electron relocates from an atom to another such chemical entity.

16. are a type of chemical bond where two atoms share a pair of electrons with each other.

Down

1. the minimum quantity of energy that the reacting species must possess in order to undergo a specified reaction.

3. process describes a process or reaction in which the system absorbs energy from its surroundings; usually, but not always, in the form of heat.

4. a chemical reaction that releases energy by light or heat

6. a mathematical relationship or rule expressed in symbols.

7. a chemical bond that involves the sharing of electron pairs between atoms.

8. the state or power of being reactive or the degree to which a thing is reactive.

9. a type of chemical bond where a pair of electrons is unequally shared between two atoms.

10. a number, figure, symbol, or indicator that is smaller than their normal line of type and is set slightly below or above it.

11. the complete transfer of valence electrons between atoms

13. a quantity obtained by multiplying quantities together, or from an analogous algebraic operation.