

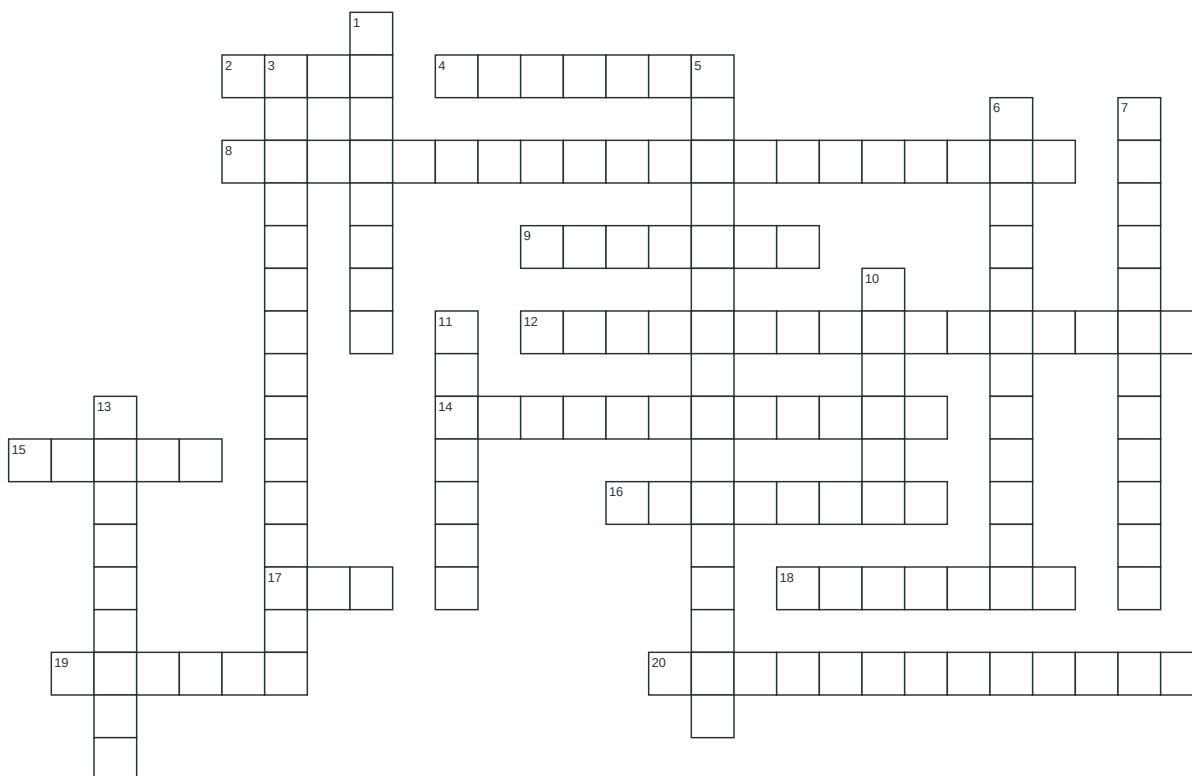
Moles and Stoichiometry Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

2. Unit that commonly expresses molar mass
4. Pure substance made of only one type of atom.
8. Condition in which positive and negative charges balance.
9. Subatomic particle that has no electric charge
12. The reactant that restricts the maximum product amount
14. Numbers are adjusted when balancing an equation without changing substances
15. Definition of a vertical column of the periodic table called
16. Group that includes fluorine, chlorine, and bromine
17. Atom or group of atoms with a net electric charge.
18. Two or more substances combined without a fixed chemical composition
19. Element that forms the backbone of most organic molecules

ACROSS (continued)

20. Electron locations are described by regions of probability

DOWN

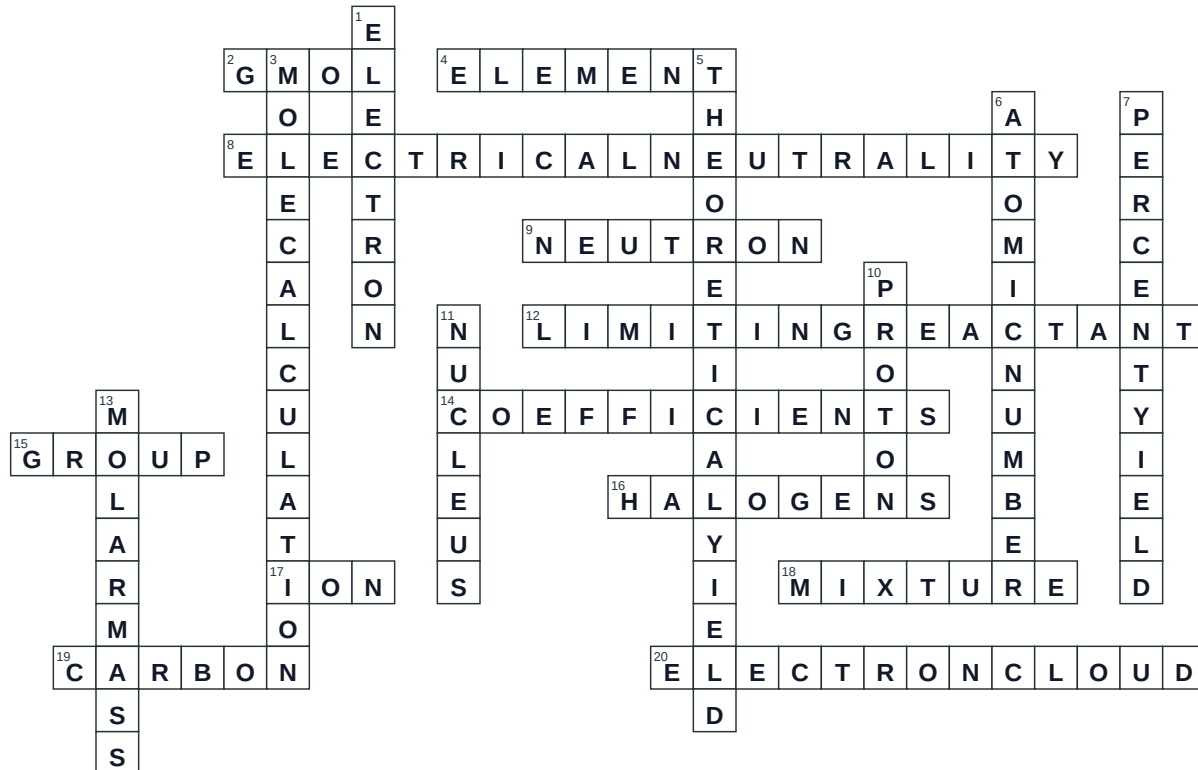
1. Definition of a beta-minus particle emitted in nuclear decay
3. Amount of substance found by dividing mass by molar mass
5. The maximum product predicted from the reaction stoichiometry
6. Number of protons in an atom's nucleus.
7. Actual yield divided by theoretical yield, multiplied by 100
10. Subatomic particle that carries a positive electric charge
11. Membrane-bound organelle that contains most eukaryotic DNA.
13. Mass per mole of a substance

Moles and Stoichiometry Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

2. G/mol
4. Element
8. Electrical neutrality
9. Neutron
12. Limiting Reactant
14. Coefficients
15. Group
16. Halogens
17. Ion
18. Mixture
19. Carbon

ACROSS (continued)

20. Electron Cloud

DOWN

1. Electron
3. Mole Calculation
5. Theoretical Yield
6. Atomic number
7. Percent Yield
10. Proton
11. Nucleus
13. Molar Mass