

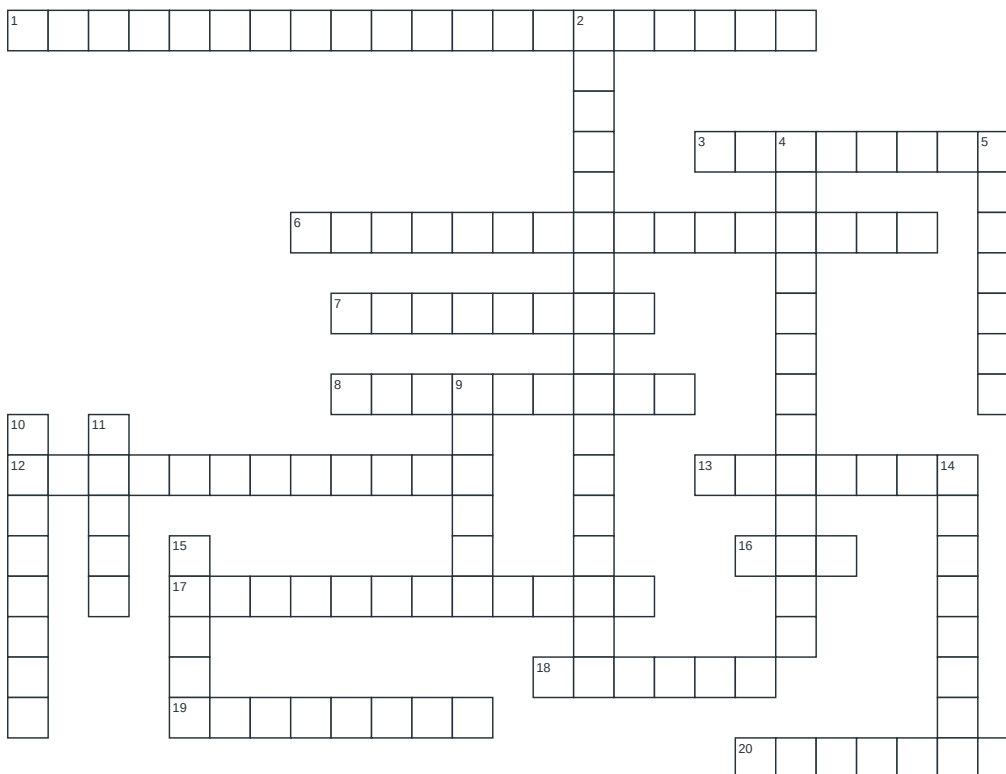
Reaction Rates Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

1. Condition in which positive and negative charges balance.
3. Definition of a beta-minus particle emitted in nuclear decay
6. The energy barrier for a reaction pathway
7. Group that includes fluorine, chlorine, and bromine
8. Substances present before and consumed in a reaction
12. Number of protons in an atom's nucleus.
13. Membrane-bound organelle that contains most eukaryotic DNA.
16. Atom or group of atoms with a net electric charge.
17. Change in concentration per unit time
18. Subatomic particle that carries a positive electric charge
19. Substances formed by a chemical reaction

ACROSS (continued)

20. Pure substance made of only one type of atom.

DOWN

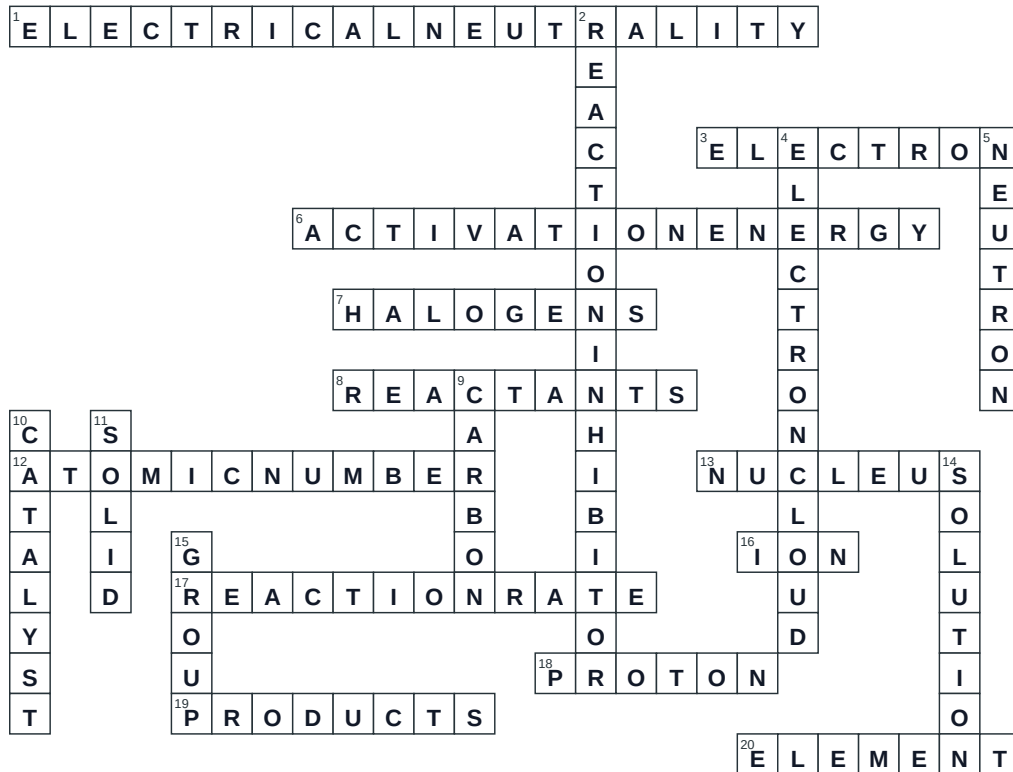
2. A substance that reduces a reaction's rate
4. Electron locations are described by regions of probability
5. Subatomic particle that has no electric charge
9. Element that forms the backbone of most organic molecules
10. A substance that speeds a reaction without being consumed overall
11. State generally has a fixed volume and a fixed shape
14. Homogeneous mixture in which a solute is dispersed in a solvent.
15. Definition of a vertical column of the periodic table called

Reaction Rates Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

1. Electrical neutrality
3. Electron
6. Activation Energy
7. Halogens
8. Reactants
12. Atomic number
13. Nucleus
16. Ion
17. Reaction Rate
18. Proton
19. Products

ACROSS (continued)

20. Element
- ### DOWN
2. Reaction Inhibitor
 4. Electron Cloud
 5. Neutron
 9. Carbon
 10. Catalyst
 11. Solid
 14. Solution
 15. Group