

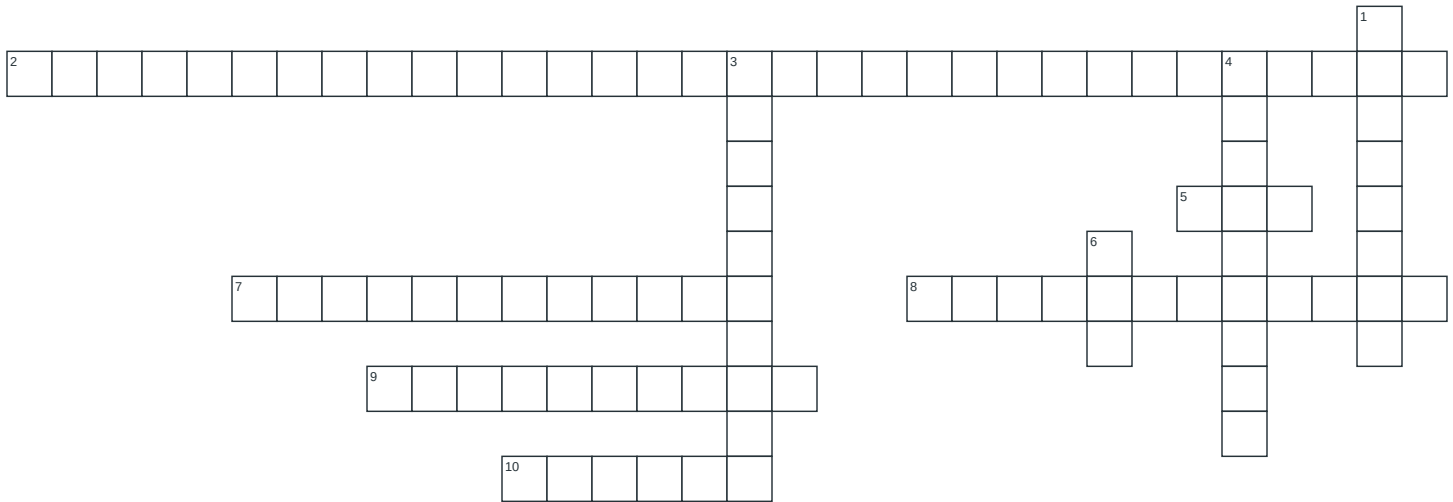
Biological Molecules and Enzymes Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. An inhibitor competes with a substrate for the active site. Which change can often reduce its effect
5. Molecule that stores hereditary information in most cells
7. Biological molecule group that includes starch and glycogen
8. Loss of a protein's functional shape due to altered conditions
9. Reaction in which water helps break a chemical bond

ACROSS (continued)

10. Lowers the activation energy

DOWN

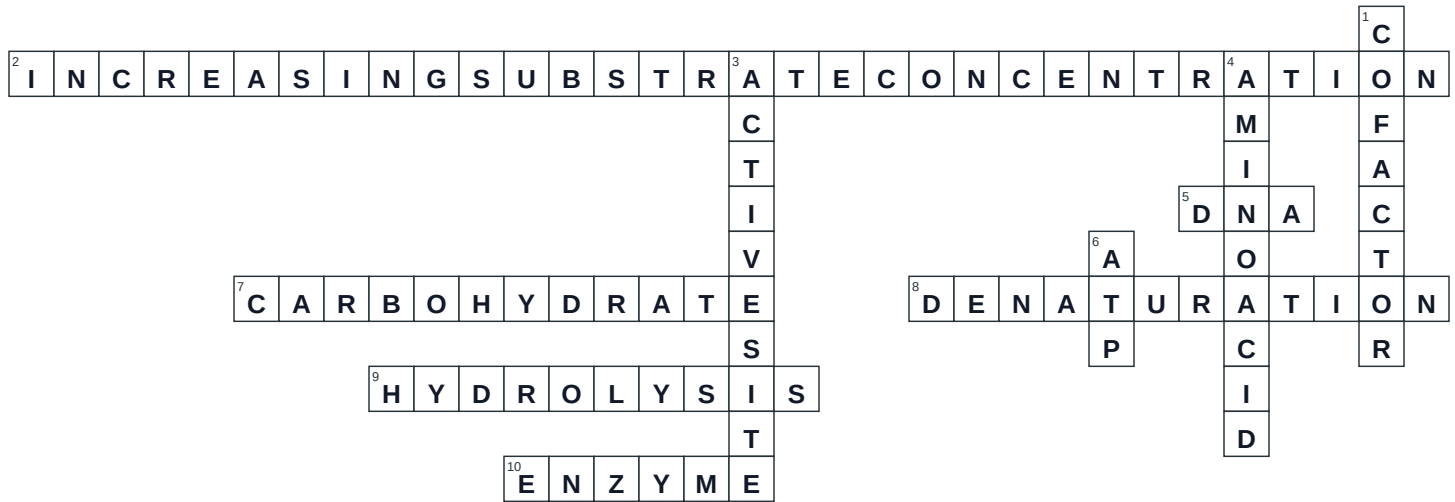
1. A nonprotein helper required for some enzymes to function
3. The region where a substrate binds and the reaction occurs
4. Molecule that links with others to form proteins
6. Molecule that is a major short-term energy-transfer carrier in cells

Biological Molecules and Enzymes Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Increasing Substrate Concentration
5. DNA
7. Carbohydrate
8. Denaturation
9. Hydrolysis
10. Enzyme

DOWN

1. Cofactor
3. Active Site
4. Amino Acid
6. ATP

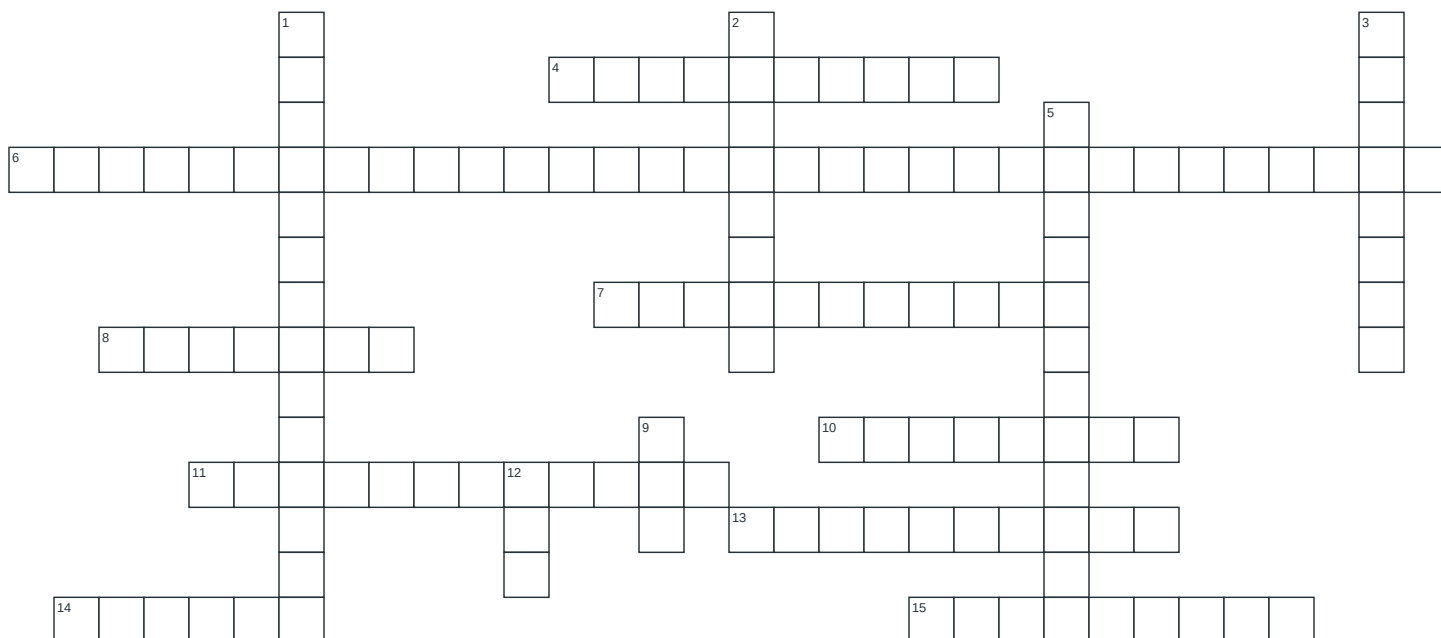
Biological Molecules and Enzymes Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

4. Reaction in which water helps break a chemical bond
6. An inhibitor competes with a substrate for the active site. Which change can often reduce its effect
7. Organelle where photosynthesis occurs in plants and algae.
8. Membrane-bound organelle that contains most eukaryotic DNA.
10. Rigid outer layer that supports many plant, fungal, and bacterial cells.
11. Biological molecule group that includes starch and glycogen
13. The region where a substrate binds and the reaction occurs
14. Lowers the activation energy

ACROSS (continued)

15. Molecule that links with others to form proteins

DOWN

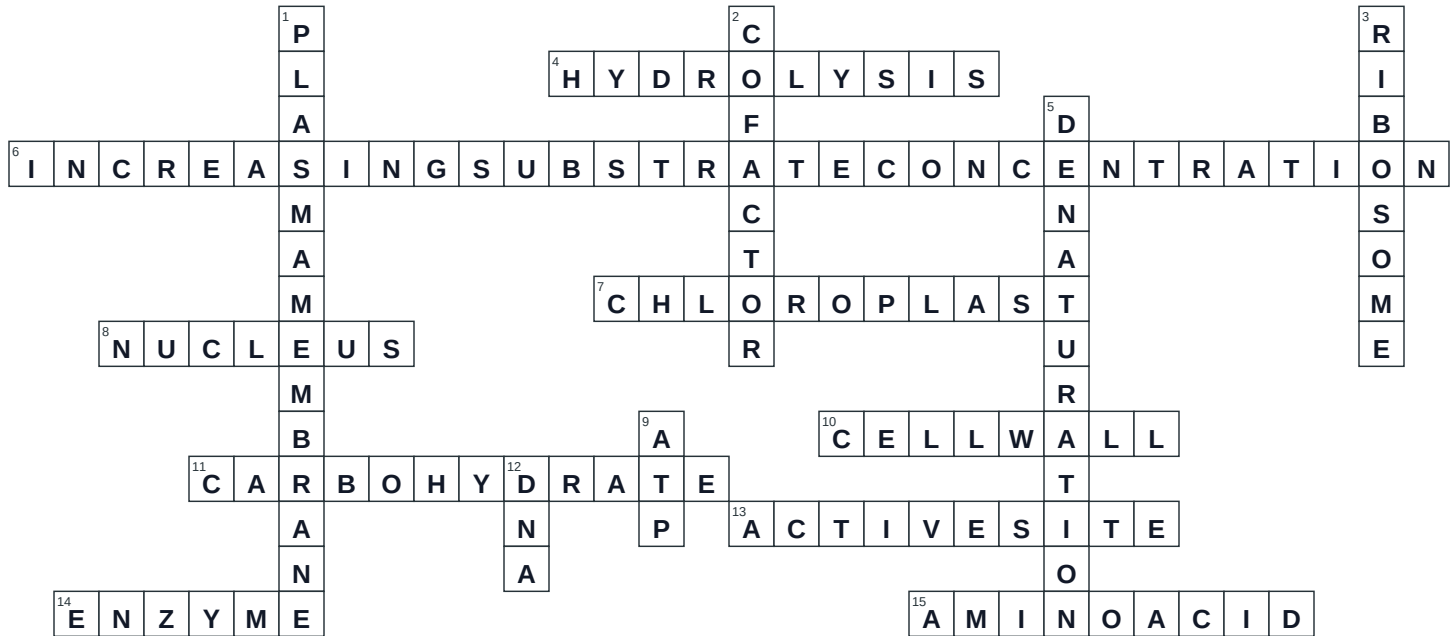
1. Boundary that regulates exchange between a cell and its surroundings.
2. A nonprotein helper required for some enzymes to function
3. Cell structure that assembles proteins.
5. Loss of a protein's functional shape due to altered conditions
9. Molecule that is a major short-term energy-transfer carrier in cells
12. Molecule that stores hereditary information in most cells

Biological Molecules and Enzymes Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

4. Hydrolysis
6. Increasing Substrate Concentration
7. Chloroplast
8. Nucleus
10. Cell wall
11. Carbohydrate
13. Active Site
14. Enzyme

ACROSS (continued)

15. Amino Acid

DOWN

1. Plasma membrane
2. Cofactor
3. Ribosome
5. Denaturation
9. ATP
12. DNA

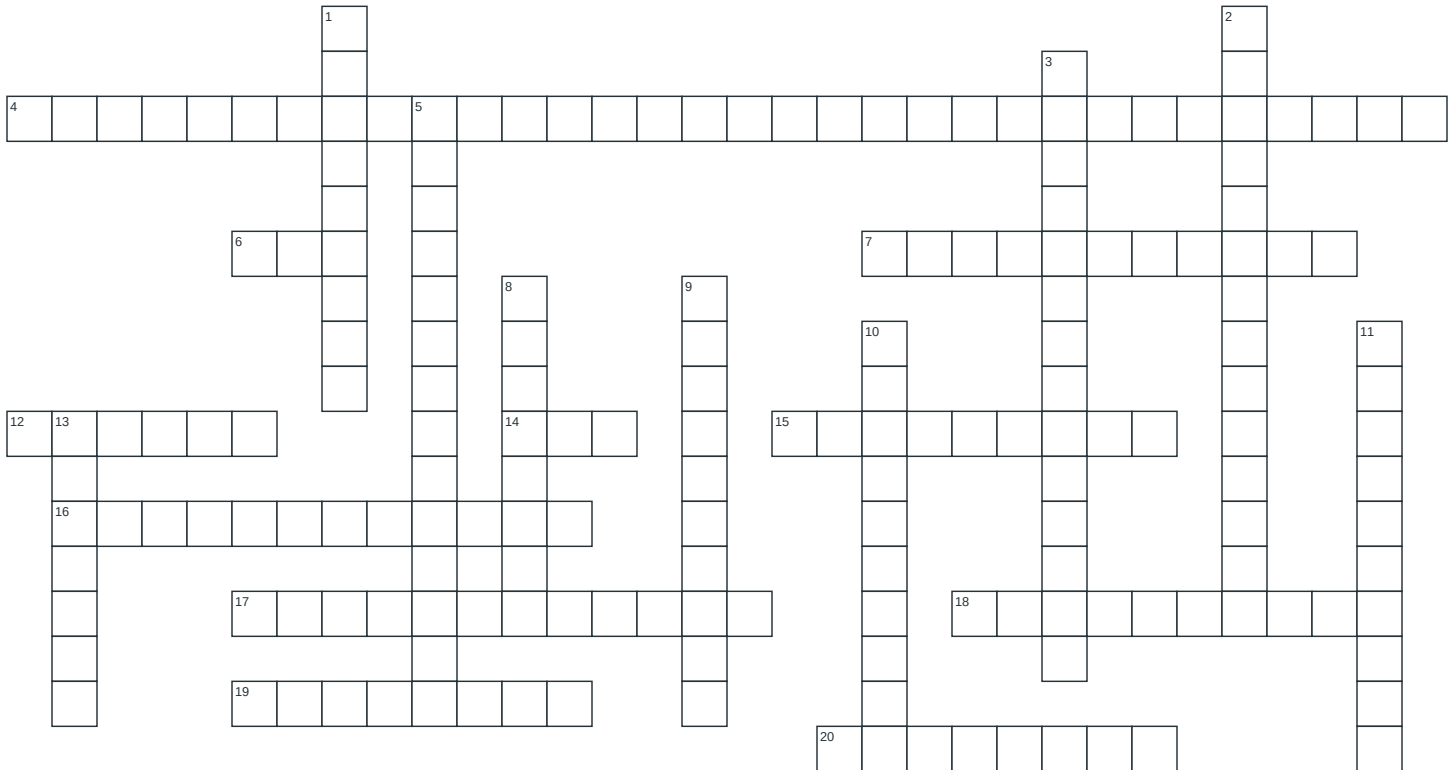
Biological Molecules and Enzymes Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

4. An inhibitor competes with a substrate for the active site. Which change can often reduce its effect
6. Molecule that stores hereditary information in most cells
7. Organelle where photosynthesis occurs in plants and algae.
12. Lowers the activation energy
14. Molecule that is a major short-term energy-transfer carrier in cells
15. Cell contents outside the nucleus and inside the plasma membrane.
16. Biological molecule group that includes starch and glycogen
17. Loss of a protein's functional shape due to altered conditions
18. States that living things are made of cells and that cells come from existing cells.
19. Cell structure that assembles proteins.

ACROSS (continued)

20. Rigid outer layer that supports many plant, fungal, and bacterial cells.

DOWN

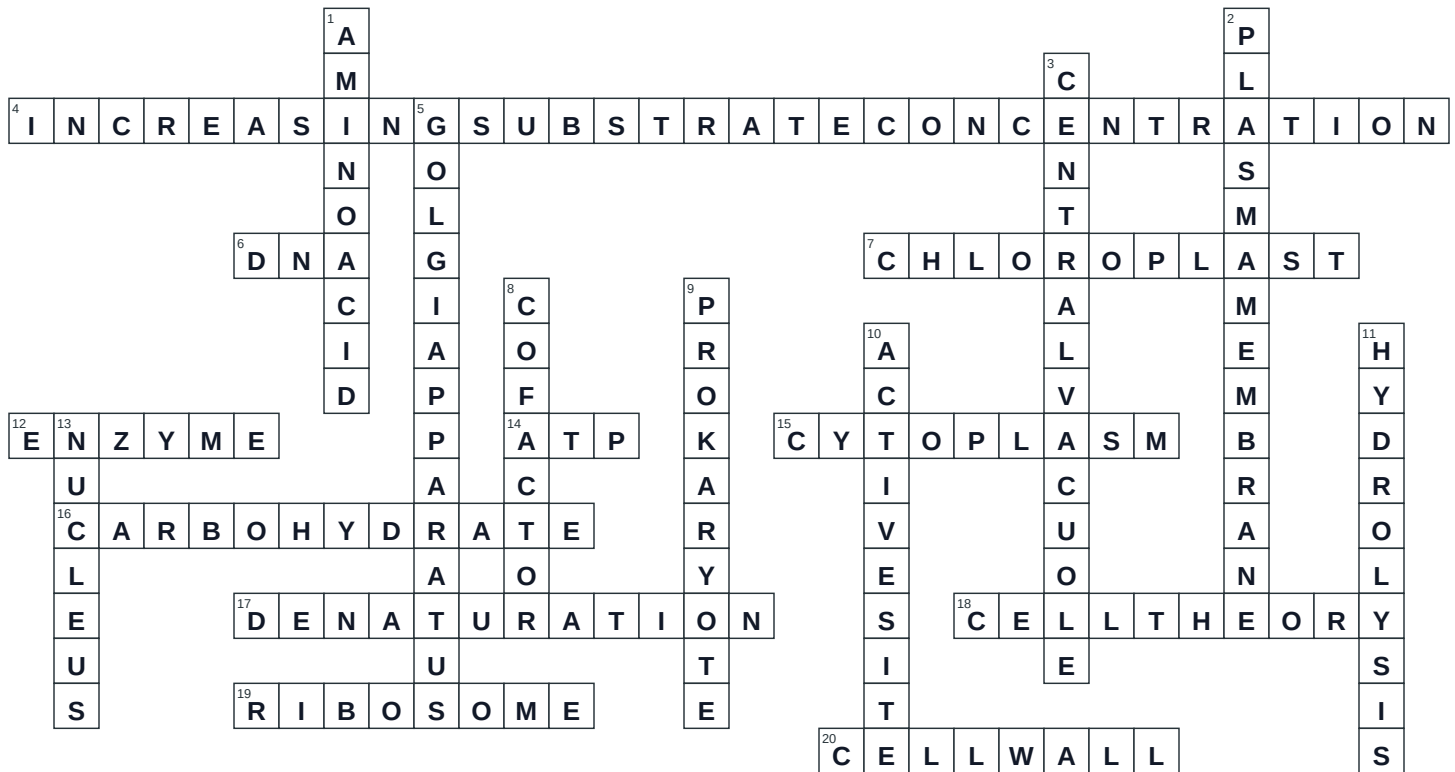
1. Molecule that links with others to form proteins
2. Boundary that regulates exchange between a cell and its surroundings.
3. Plant-cell compartment that stores water and helps maintain pressure.
5. Organelle that modifies, sorts, and packages many proteins.
8. A nonprotein helper required for some enzymes to function
9. Cell type that lacks a membrane-bound nucleus.
10. The region where a substrate binds and the reaction occurs
11. Reaction in which water helps break a chemical bond
13. Membrane-bound organelle that contains most eukaryotic DNA.

Biological Molecules and Enzymes Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

4. Increasing Substrate Concentration
6. DNA
7. Chloroplast
12. Enzyme
14. ATP
15. Cytoplasm
16. Carbohydrate
17. Denaturation
18. Cell theory
19. Ribosome
20. Cell wall

DOWN

1. Amino Acid
2. Plasma membrane
3. Central vacuole
5. Golgi apparatus
8. Cofactor
9. Prokaryote
10. Active Site
11. Hydrolysis
13. Nucleus