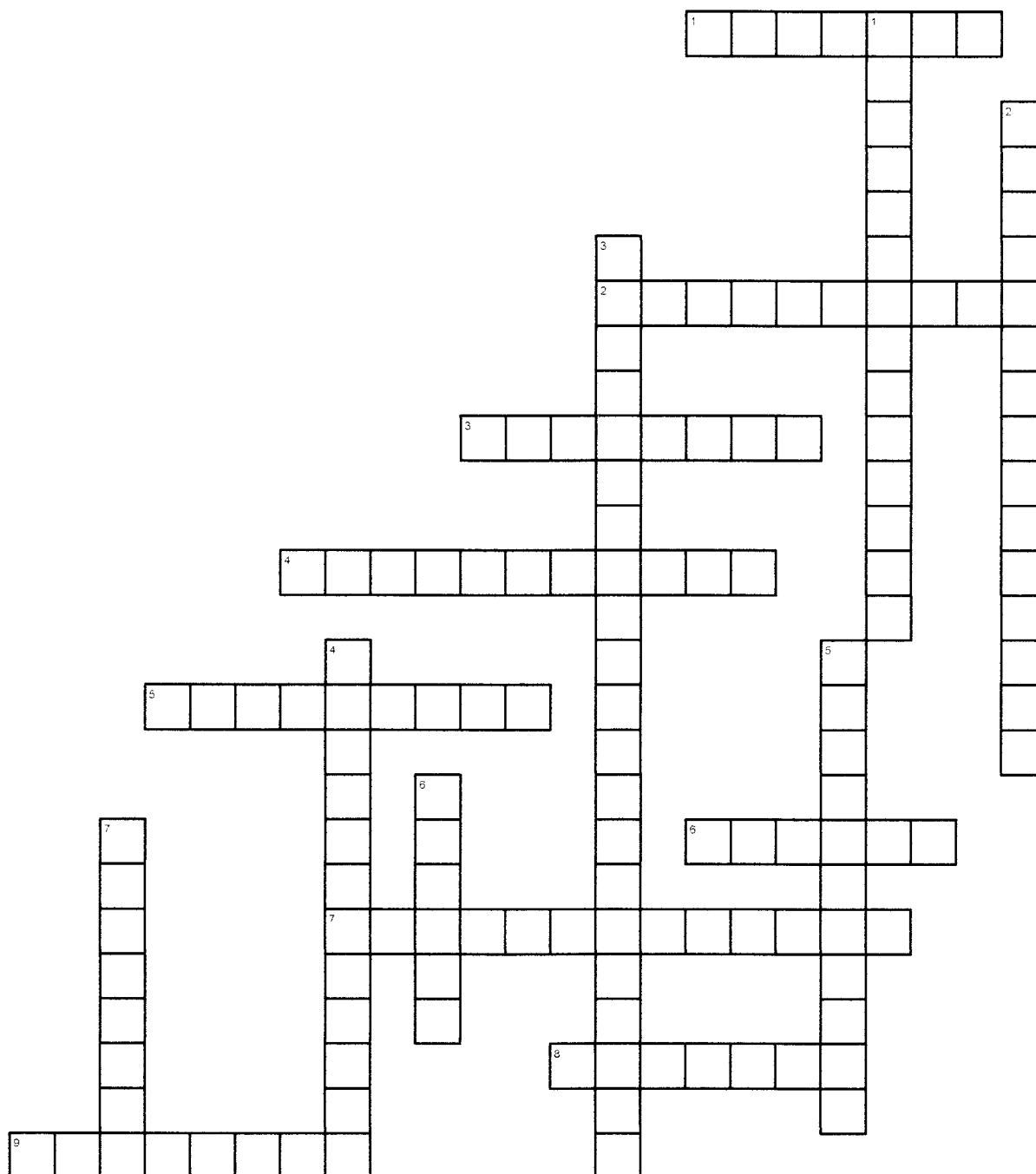


## Crossword Puzzle - Biomolecules

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Fill in the crossword puzzle by using the clues.



### Across

1. \_\_\_\_\_ are proteins catalysts that speed up the rate of a chemical reactions in the body.
2. \_\_\_\_\_ are the building blocks/subunits of proteins.
3. \_\_\_\_\_ are macromolecules made os many monomers joined together.
4. \_\_\_\_\_ are the building blocks/subunits of nucleic acids.

5. \_\_\_\_\_ is a polysaccharide made of glucose units hooked together found in plant cell walls.
6. \_\_\_\_\_ are organic compounds commonly called fats and oils.
7. \_\_\_\_\_ are organic compounds used to store and release energy.
8. A \_\_\_\_\_ contains the elements carbon, hydrogen, oxygen and nitrogen and is composed of amino acids examples are insulin, hemoglobin and enzymes.
9. \_\_\_\_\_ are the small building blocks of polymers.

### **Down**

1. A \_\_\_\_\_ is a simple one unit sugar such as glucose or fructose having the formula  $C_6H_{12}O_6$
2. \_\_\_\_\_ are the largest carbohydrate molecules, they are polymers composed of many monosaccharides linked together for example starch, glycogen and cellulose.
3. \_\_\_\_\_ are the building blocks/subunits of lipids which are arranged in the shape of a letter E.
4. \_\_\_\_\_ are macromolecules such as DNA and RNA.
5. A \_\_\_\_\_ links amino acids together.
6. \_\_\_\_\_ is a polysaccharide consisting of highly branched chains of glucose units used as food storage in plants
7. \_\_\_\_\_ is a polysaccharide with highly branched chains of glucose units, used by animals as a food store.

### **Select your answers from the following words:**

Monomers  
Polymers  
Fatty acids and glycerol  
Amino acids

Lipids  
Cellulose  
carbohydrates  
monosaccharide

Glycogen  
starch  
polysaccharides  
Nucleotides

Nucleic acids  
protein  
Enzymes  
peptide bond