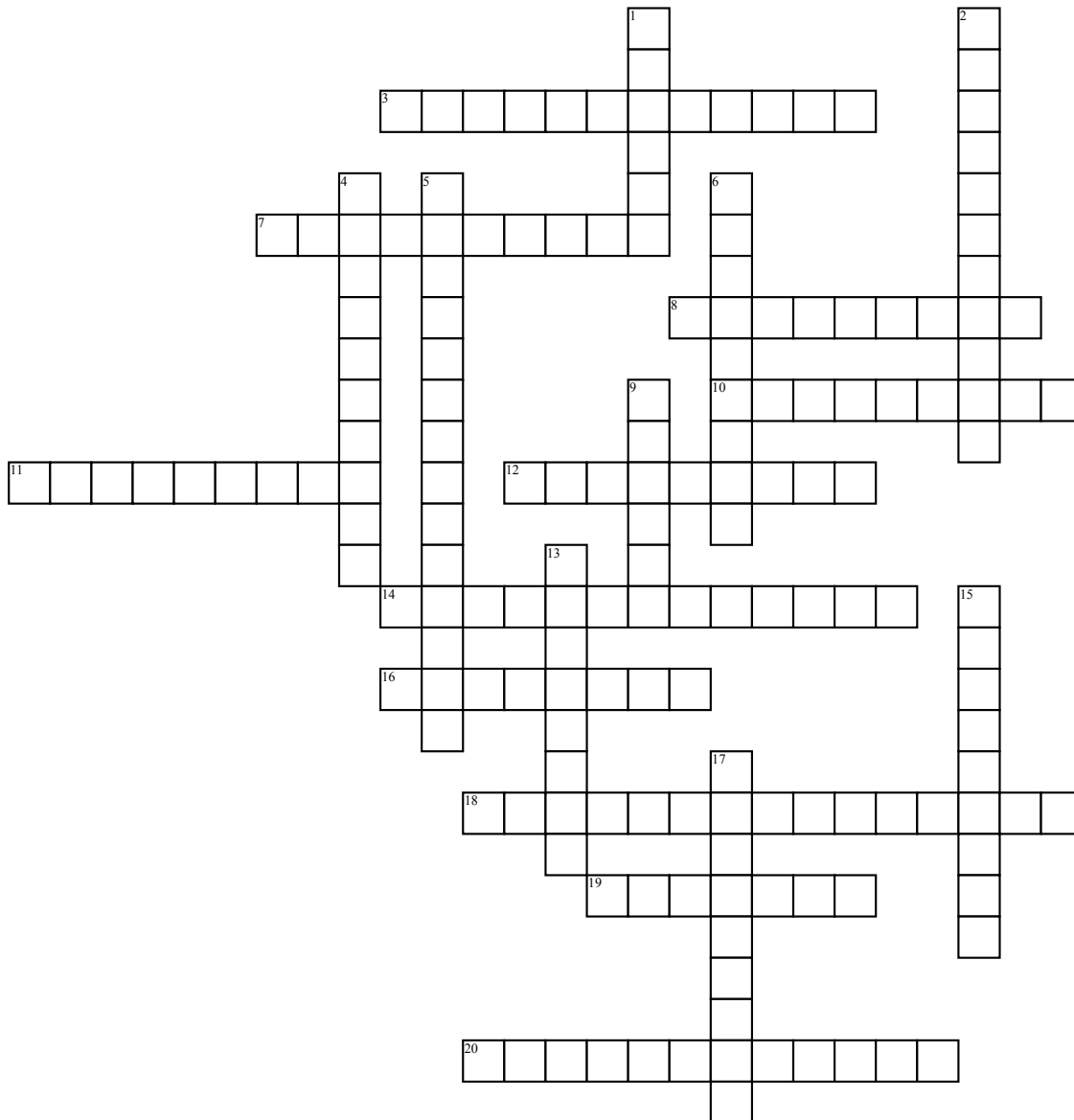


Macromolecules and the Cell



Across

3. Polymers of amino acids are called what?
 7. What is the process of breaking down pyruvate molecules into glucose called?
 8. What type of cell has a membrane enclosed nucleus and organelles?
 10. What is NADH job in the electron transport chain?
 11. Where are proteins synthesized in the cell?
 12. If a cell is harvesting chemical energy without oxygen it is called what kind of respiration?

14. Sugars and polymers of sugars.

16. What is the region of the cell that a prokaryote cell stores its DNA called?

18. Simplest sugars.

19. A biologically functional molecule consisting of one or more polypeptides.

20. The site of cellular respiration.

Down

1. What are biological molecules sometimes referred to as fats?
 2. What type of reaction occurs when two monomers bond through the loss of a water molecule?

4. Polymers are disassembled to monomers by adding a water molecule

5. Organelle that is referred to as the "shipping and receiving" center.

6. What is the process of gaining electrons in a substance called?

9. How many amino acids are there?

13. What is the function of a contractile protein?

15. What level of protein structure consists of coils and folds in the polypeptide chain due to hydrogen bonding?

17. During the citric acid cycle what is pyruvate oxidized into?