

Name \_\_\_\_\_

Period \_\_\_\_\_

Ms Foglia • Regents Biology

Date \_\_\_\_\_

### PROTEIN REVIEW

1. List 3 foods that contain mostly proteins. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

2. List 3 ways that living creatures use proteins. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

3. Give 3 examples of proteins in living organisms. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

4. Proteins are chains of what smaller organic molecule? \_\_\_\_\_

5. Draw a simple picture of a protein showing this chain of smaller molecules.

6. How many different amino acids are there? \_\_\_\_\_

7. Amino acids are divided up into 2 basic groups. What are they?

\_\_\_\_\_  
\_\_\_\_\_

8. What is meant by the term hydrophobic? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

9. What is meant by the term hydrophilic? \_\_\_\_\_

---

---

10. Proteins are very large, complex molecules. They are first built by making a chain of amino acids. What happens to the molecule next, to create the right shape for the protein to function properly?

---

---

---

11. How do hydrophobic amino acids and hydrophilic amino acids cause proteins to have a specific shape?

---

---

---

---

---

12. What is it called when a protein unfolds? \_\_\_\_\_

13. Why does unfolding a protein make it not able to do its job in a living organism?

---

---

---

---

---