**Macromolecules Review Worksheet for H Biology**

**Part A.**   *Classify each as a carbohydrate, protein, or lipid.*

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | Starch | 9. | Polysaccharide |
| 2. | Cholesterol | 10. | Phospholipid |
| 3. | Steroid | 11. | Glycerol |
| 4. | Glycogen | 12. | Monosaccharide |
| 5. | enzyme | 13. | Cellulose |
| 6. | saturated fat | 14. | amino acid |
| 7. | polypeptide chain | 15. | unsaturated fatty acid |
| 8. | Glucose |  |  |

**Part B.** *Identify the* *specific* *molecule (use the above terms) from each description. Some terms may be used more than once.*

16.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_     provides long-term energy storage for animals

17.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    provides immediate energy

18.   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   sex hormones

19.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  provides short-term energy storage for plants

20.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    animal and plant structures

21.   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   forms the cell membrane of all cells

22.   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   speeds up chemical reactions by lowering activation energy

23.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    one sugar

24.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    monomer of proteins

25.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    provides long-term energy storage for plants

26.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    steroid that makes up part of the cell membranes

27.   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   3-carbon “backbone” of a fat

28.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    provides short-term energy storage for animals

29.   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   many sugars

30.   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   forms the cell wall of plant cells