

Name : _____

Date : _____

Macromolecules Practice Worksheet

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

- | | | | |
|-------------------|-------|----------------------------|-------|
| 1. starch | _____ | 10. cellulose | _____ |
| 2. polysaccharide | _____ | 11. RNA | _____ |
| 3. cholesterol | _____ | 12. amino acid | _____ |
| 4. phospholipid | _____ | 13. polypeptide chain | _____ |
| 5. steroid | _____ | 14. enzyme | _____ |
| 6. glycerol | _____ | 15. glucose | _____ |
| 7. glycogen | _____ | 16. saturated fat | _____ |
| 8. monosaccharide | _____ | 17. unsaturated fatty acid | _____ |
| 9. nucleotide | _____ | 18. DNA | _____ |

Part B. State whether each is found in animals, plants, or both.

- | | | | |
|--------------------|-------|--------------------|-------|
| 1. saturated fat | _____ | 8. cellulose | _____ |
| 2. protein | _____ | 9. enzyme | _____ |
| 3. steroid | _____ | 10. polysaccharide | _____ |
| 4. DNA | _____ | 11. glycogen | _____ |
| 5. amino acid | _____ | 12. starch | _____ |
| 6. monosaccharides | _____ | 13. glucose | _____ |
| 7. RNA | _____ | 14. phospholipid | _____ |

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Part A.

Answers

1. starch	<u>carbohydrate</u>	10. cellulose	<u>protein</u>
2. polysaccharide	<u>lipid</u>	11. RNA	<u>protein</u>
3. cholesterol	<u>lipid</u>	12. amino acid	<u>lipid</u>
4. phospholipid	<u>a key component of lipid</u>	13. polypeptide chain	<u>protein</u>
5. steroid	<u>lipid</u>	14. enzyme	<u>protein</u>
6. glycerol	<u>carbohydrate</u>	15. glucose	<u>carbohydrate</u>
7. glycogen	<u>carbohydrate</u>	16. saturated fat	<u>lipid</u>
8. monosaccharide	<u>carbohydrate</u>	17. unsaturated fatty acid	<u>lipid</u>
9. nucleotide	<u>lipid</u>	18. DNA	<u>protein</u>

Part B.

1. saturated fat	<u>animals</u>	8. cellulose	<u>plants</u>
2. protein	<u>both</u>	9. enzyme	<u>animals</u>
3. steroid	<u>both</u>	10. polysaccharide	<u>both</u>
4. DNA	<u>both</u>	11. glycogen	<u>animals</u>
5. amino acid	<u>both</u>	12. starch	<u>plants</u>
6. monosaccharides	<u>both</u>	13. glucose	<u>both</u>
7. RNA	<u>both</u>	14. phospholipid	<u>both</u>