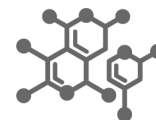


Name : \_\_\_\_\_ Date : \_\_\_\_\_

# Macromolecules Worksheet



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

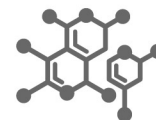
- |                   |       |                            |       |
|-------------------|-------|----------------------------|-------|
| 1) starch         | _____ | 10) cellulose              | _____ |
| 2) polysaccharide | _____ | 11) RNA                    | _____ |
| 3) cholesterol    | _____ | 12) 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.** Which specific molecule (saturated fat, unsaturated fat, protein, glucose, starch, cellulose) is each food mostly made of?

- |                |       |                  |       |
|----------------|-------|------------------|-------|
| 1) almond      | _____ | 9) noodles       | _____ |
| 2) celery      | _____ | 10) table sugar  | _____ |
| 3) spinach     | _____ | 11) orange juice | _____ |
| 4) soy beans   | _____ | 12) popcorn      | _____ |
| 5) beef jerky  | _____ | 13) cheese       | _____ |
| 6) cranberries | _____ | 14) lobster      | _____ |
| 7) bacon       | _____ | 15) wheat        | _____ |
| 8) egg white   | _____ | 16) sesame oil   | _____ |

Name : ..... Date : .....

# Macromolecules Worksheet



## 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) almond	<u>starch</u>	9) noodles	<u>starch</u>
2) celery	<u>cellulose</u>	10) table sugar	<u>glucose</u>
3) spinach	<u>cellulose</u>	11) orange juice	<u>glucose</u>
4) soy beans	<u>starch</u>	12) popcorn	<u>starch</u>
5) beef jerky	<u>protein</u>	13) cheese	<u>protein/saturated fat</u>
6) cranberries	<u>glucose</u>	14) lobster	<u>protein</u>
7) bacon	<u>protein</u>	15) wheat	<u>starch</u>
8) egg white	<u>protein</u>	16) sesame oil	<u>unsaturated fat</u>