

Name : _____ Date : _____

—□ MACROMOLECULES WORKSHEET □—

Part A. 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 | _____ |

Part B. Which food molecule (monosaccharide, polysaccharide, lipid, protein) would you eat if...

- | | |
|--|-------|
| 1. ...you needed a quick boost of energy? | _____ |
| 2. ...you wanted to grow strong nails? | _____ |
| 3. ...you have not eaten in days? | _____ |
| 4. ...you want to grow healthy hair? | _____ |
| 5. ...you raced tomorrow afternoon? | _____ |
| 6. ...you were getting ready for hibernation? | _____ |
| 7. ...you wanted to get bigger muscles? | _____ |
| 8. ...your next meal will be in a week?egg white | _____ |

Name : Date :

MACROMOLECULES WORKSHEET

Part A.

Answers

- | | | | |
|--------------------|----------------|--------------------|----------------|
| 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> |

Part B.

- | | |
|--|-----------------------|
| 1. ...you needed a quick boost of energy? | <u>monosaccharide</u> |
| 2. ...you wanted to grow strong nails? | <u>protein</u> |
| 3. ...you have not eaten in days? | <u>protein</u> |
| 4. ...you want to grow healthy hair? | <u>protein</u> |
| 5. ...you raced tomorrow afternoon? | <u>polysaccharide</u> |
| 6. ...you were getting ready for hibernation? | <u>lipid</u> |
| 7. ...you wanted to get bigger muscles? | <u>protein</u> |
| 8. ...your next meal will be in a week?egg white | <u>lipid</u> |