

Name : _____

MACROMOLECULES WORKSHEET

Identify the specific molecule (lipid, carbohydrate, protein, amino acid) from each description. Some terms may be used more than once.

- 1) provides long-term energy storage for animal _____
- 2) provides instructions for building protein _____
- 3) provides immediate energy _____
- 4) sex hormones _____
- 5) provides short-term energy storage for plant _____
- 6) animal and plant structures _____
- 7) forms the cell membrane of all the cells _____
- 8) speeds up chemical reactions by lowering activation energy _____
- 9) one sugar _____
- 10) cells convert this into ATP _____
- 11) a monomer of proteins _____
- 12) provides long-term energy storage for plant _____
- 13) genetic material _____
- 14) steroid that makes up part of the cell membrane _____
- 15) 3-carbon "backbone" of a fat _____
- 16) provides short-term energy storage for animal _____
- 17) many sugars _____
- 18) glycerol and fatty acid are the monomers _____
- 19) forms the cell wall of plant cells _____
- 20) found in the plasma membrane of many mammalian cells _____

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Answers

- | | |
|---|--------------|
| 1) provides long-term energy storage for animal | lipid |
| 2) provides instructions for building protein | nucleic acid |
| 3) provides immediate energy | carbohydrate |
| 4) sex hormones | lipid |
| 5) provides short-term energy storage for plant | carbohydrate |
| 6) animal and plant structures | protein |
| 7) forms the cell membrane of all the cells | lipid |
| 8) speeds up chemical reactions by lowering activation energy | protein |
| 9) one sugar | carbohydrate |
| 10) cells convert this into ATP | carbohydrate |
| 11) a monomer of proteins | amino acid |
| 12) provides long-term energy storage for plant | carbohydrate |
| 13) genetic material | nucleic acid |
| 14) steroid that makes up part of the cell membrane | lipids |
| 15) 3-carbon "backbone" of a fat | glycerol |
| 16) provides short-term energy storage for animal | carbohydrate |
| 17) many sugars | carbohydrate |
| 18) glycerol and fatty acid are the monomers | lipid |
| 19) forms the cell wall of plant cells | carbohydrate |
| 20) found in the plasma membrane of many mammalian cells | lipid |