

Which macromolecule stores genetic information?

**A. proteins**

**B. lipids**

**C. nucleic acids** 😊

**D. carbohydrates**

The function of lipids such as fats, oils and waxes is to

**A. store energy**

**B. provide insulation**

**C. form a water barrier**

**D. all of the above** 😊

Proteins function in living things to

**A.build and repair tissue**

**B.transport materials**

**C.catalyze reactions**

**D.all of the above** 

A five carbon sugar, a phosphate and a nitrogenous base combine to form a nucleotide. Nucleotides are the building blocks of

**A. proteins**

**B. lipids**

**C. nucleic acids** 😊

**D. carbohydrates**

Carbohydrates, such as glucose, function in

**A. repelling water**

**B. building proteins**

**C. providing energy** 😊

**D. genetic info**

All of the following are examples of lipids EXCEPT

**A.cholesterol**

**B.pheromones**

**C.glucose** 😊

**D.steroids**

Which of the following is not associated with proteins?

**A. enzymes**

**B. polysaccharides** 😊

**C. amino acids**

**D. peptide bonds**

Animals that hibernate need to eat large amounts of food high in this type of macromolecule in order to store energy for the winter.

**A. proteins**

**B. monosaccharides**

**C. lipids** 😊

**D. fiber**

Antibodies are structures that attack pathogens and fight disease. Antibodies are classified as what type of macromolecule?

**A. carbohydrates**

**B. proteins** 😊

**C. lipids**

**D. nucleic acids**

DNA stores hereditary information which provides instructions for the assembly of proteins. DNA categorized as which type of macromolecule?

**A.lipid**

**B.carbohydrate**

**C.protein**

**D.nucleic acid** 😊

12. What are amino acids held together by?

- A. Peptide bonds 
- B. Hydrogen bonds
- C. Carbon bonds
- D. Covalent bonds

A chemical subunit that serves as a building block of a polymer is a(n)

**A. carbohydrate**

**B. monomer** 😊

**C. peptide bond**

**D. glucose**

The term saccharide refers to \_\_\_\_\_

A. carbohydrate

B. monomer

C. sugar 😊

D. polymer

Polypeptide bonds hold together which type of macromolecule?

**A. carbohydrates**

**B. proteins** 😊

**C. lipids**

**D. nucleic acids**

Which macromolecule makes up the cell wall of plant cells?

A. carbohydrates 

B. proteins

C. lipids

D. nucleic acids

Provides immediate energy to cells

**A. Carbohydrates** 😊

**B. Lipids**

**C. Nucleic Acids**

**D. Proteins**

Which macromolecule stores and transmits genetic information

**A. Carbohydrates**

**B. Lipids**

**C. Nucleic Acids** 😊

**D. Proteins**

Which macromolecule stores energy and provides insulation

**A. Carbohydrates**

**B. Lipids** 😊

**C. Nucleic Acids**

**D. Proteins**

Which macromolecule builds and repairs tissue

**A. Carbohydrates**

**B. Lipids**

**C. Nucleic Acids**

**D. Proteins** 😊

Which polymer is composed of monomers called amino acids

**A. Carbohydrates**

**B. Lipids**

**C. Nucleic Acids**

**D. Proteins** 😊

Cellulose is an example of which macromolecule that provides structural component to plants

**A. Carbohydrates** 😊

**B. Lipids**

**C. Nucleic Acids**

**D. Proteins**

Which macromolecule functions as enzymes to catalyze reactions as well as to fight disease

**A. Carbohydrates**

**B. Lipids**

**C. Nucleic Acids**

**D. Proteins** 😊

DNA and RNA are examples

**A. Carbohydrates**

**B. Lipids**

**C. Nucleic Acids** 😊

**D. Proteins**

Which macromolecule is a major component of the cell membrane that forms a water barrier

**A. Carbohydrates**

**B. Lipids** 😊

**C. Nucleic Acids**

**D. Proteins**

# Study guide: Macromolecule

1. Nucleic Acids

2. Water barrier, insulation, stores energy

3. Fights diseases, builds and repairs tissue, catalyzes chemical reactions, transports materials

4. Nucleic Acids

5. Gives immediate energy and provides structural support

6. Carbohydrates

7. Carbohydrates

8. Proteins

9. Lipids

10. Nucleic acids
11. Peptide bonds
12. Monomers
13. Sugar
14. Proteins
15. Carbohydrates
16. Nucleic acids
17. ose
18. Amino acids
19. Stores genetic information and controls cell activities
20. polymer