

Ch. 2 Test

Grade: «grade»
Subject: Biology
Date: «date»

- 1 Which macromolecule is the primary component of cell membranes?
 - A Carbohydrates
 - B Proteins
 - C Lipids
 - D Nucleic Acids

2 Organic compounds are chemicals that make up living things and they always have what element?

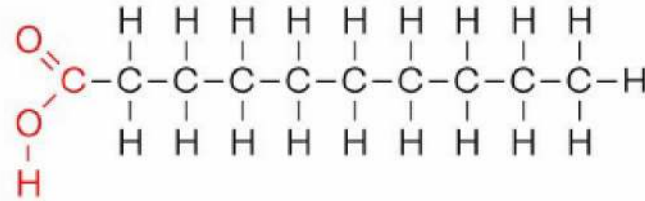
- A Hydrogen
- B Carbon
- C Nitrogen
- D Oxygen

3 All things, living and non-living, are made of

- A Gas
- B Atoms
- C Compounds
- D Cells

4 The picture below shows what kind of fat?

- A Saturated
- B Complex
- C Unsaturated
- D Oil



5 A _____ reaction is when living organisms break down food molecules and release energy

- A Catabolic
- B Exothermic
- C Anabolic
- D Endothermic

6 There are _____ naturally occurring elements that make up everything in the universe.

A 118

B 92

C 89

D 100

7 The common word "fat" is more scientifically stated as _____?

- A Carbohydrates
- B Proteins
- C Lipids
- D Nucleic Acids

8 Which of the following is NOT a type of lipid?

- A Triglycerides
- B Phospholipids
- C Polysaccharides
- D Steroids

9 Which macromolecule is made up of nucleotides

- A Carbohydrates
- B Proteins
- C Lipids
- D Nucleic Acids

10 Which macromolecule is made of chains of amino acids?

A Carbohydrates

B Proteins

C Lipids

D Nucleic Acids



11 A substance that lowers the activation energy of a reaction in living organisms is called a(n) _____.

- A Protein
- B Enzyme
- C Catalyst
- D Activator

12 Which macromolecule makes up DNA and RNA?

- A Carbohydrates
- B Proteins
- C Lipids
- D Nucleic Acids



- 13 If you were a vegetarian, which of the following foods could you eat to get the most protein in your diet?
- A Peanut Butter
 - B Mountain Dew
 - C Pasta
 - D Cheese

14 Which macromolecule is composed of chains of sugar molecules?

A Carbohydrates

B Proteins

C Lipids

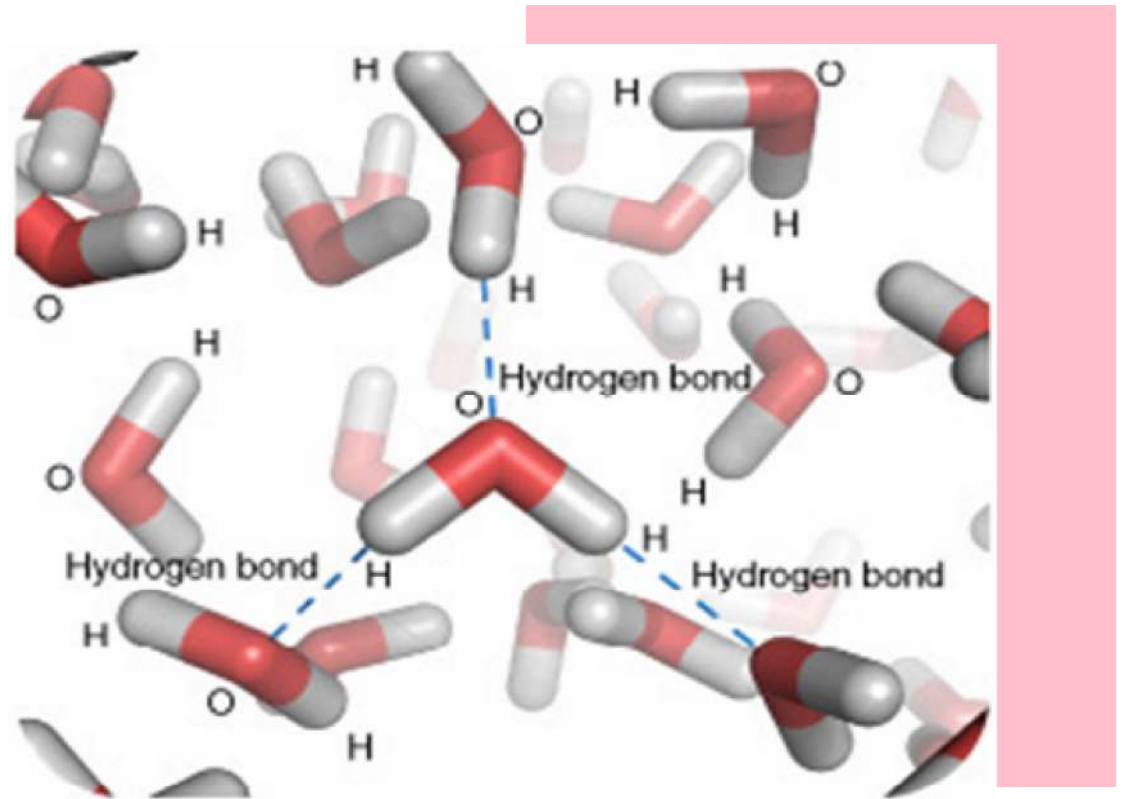
D Nucleic Acids

15 Muscle tissue is composed of which macromolecule?

- A Carbohydrates
- B Proteins
- C Lipids
- D Nucleic Acids

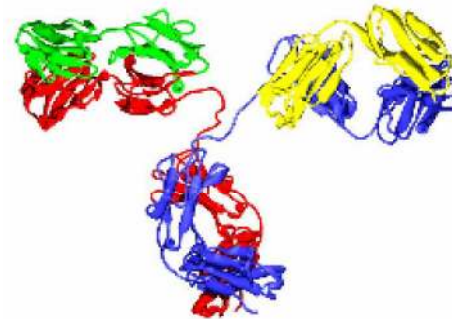
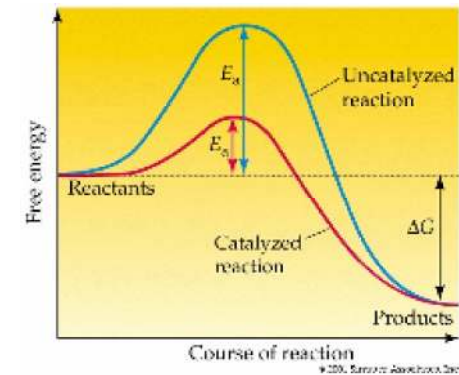
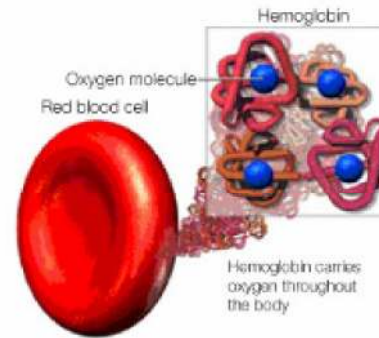
16 Due to polarity water molecules stick to themselves, this is called _____.

- A Cohesion
- B Capillarity
- C Adhesion
- D Acidity



17 Which macromolecule is the primary component in enzymes, hemoglobin and antibodies.

- A Carbohydrates
- B Proteins
- C Lipids
- D Nucleic Acids



18 How many different nucleotides are there that made up all DNA?

A 2

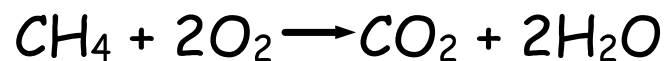
B 4

C 8

D 20

19 Items on the left side of a chemical equation are called?

- A Products
- B Transitions
- C Coefficients
- D Reactants



20 Which type of reaction releases heat?

- A Titration
- B Exothermic
- C Distillation
- D Endothermic



21 How many different amino acids make up all proteins?

A 2

B 4

C 8

D 20

22 Which macromolecules primary function is to store energy?

- A Carbohydrates
- B Proteins
- C Lipids
- D Nucleic Acids

23 Which macromolecule is composed of chains of monosaccharides?

- A Carbohydrates
- B Proteins
- C Lipids
- D Nucleic Acids