

2020-2021 Worksheet 3 Review

1. Connect terms in the A column that match the descriptions in the B column. There may be more than 1 answer. You can just write in the letters in column B in the answer, instead of the words.

Column A	Column B
A. Lactose	Disaccharide __A, B
B. Cofactor	Noncovalent __D, E, H, Q
C. Denaturation	Polysaccharide __B, E, H, J
D. Phospho	Protein __A, H, S
E. Maltose	Lipid __I, L, M, P
F. Inhibitor	Oil __J, M, R
G. Steroid	Fat __B, E, G
H. Storage	Fuel reserves __J
I. Cholesterol	Taste sugar __B
J. Fatness	
K. Amino acids	
L. Glyceral	
M. Fatty acids	
N. Carbohydrate	
O. Phospholipid bilayers	
P. Steroids	
Q. Substrate	
R. Sugar	
S. Primary, Secondary, Tertiary, Quaternary Structure	

2. Write in the polysaccharide that goes with the appropriate description

Storage form of glucose energy in animals: glycogen

Storage form of glucose energy in plants: starch

Forms the great cell walls cellulose

Found in the exoskeleton of insects, crustaceans, snails shells

3. Name the monomers (building blocks) of the following large molecules

Proteins: amino acids

Fats (lipids): glycerol and fatty acids

Steroids: four isoprenes

Carbohydrates: monosaccharides

4. a strand of DNA has the following sequence CCGTACCGTA, what is the sequence of the second strand of DNA? CCGTACCGTA

How many amino acids does this DNA sequence code for? 3 (GGT) (ACC) (G)