

2020-2021 Worksheet 2 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	Nonprotein __D, E, H, Q
C. Denaturation	Polysaccharide __B, E, H, J
D. Phospholipid	Protein __A, H, S
E. Starch	Lipid __I, L, M, P
F. monosaccharide	Oil __J, M, R
G. Glycerol	Fat __B, E, G
H. Myoglobin	Fluid electrolyte __J
I. cholesterol	Total sugar __B
J. Phospholipid	
K. Amino acids	
L. Glycogen	
M. Fatty acids	
N. Carbohydrate	
O. Phospholipid head	
P. Steroid	
Q. Carotene	
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
- Nucleic Acids: nucleotides
- Carbohydrates: monosaccharides

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

How many amino acids does this DNA sequence code for? **3 (GGG)-GGG**