

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. Glycogen	Lipid __I, L, M, P
F. Phosphate	Oil __J, M, R
G. Cellulose	Fat __B, E, G
H. Amino acids	Fuel __C, D, J
I. Glyceral	Taste __Q, R
J. Fatty acids	
K. Carbohydrate	
L. Phospholipid head	
M. Phospholipid tail	
N. 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 plant 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? **CCGACCGAT**

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