

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	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. Invertase	Enzyme __C, M, N
G. Glucose	Fat __G, I, O
H. Myoglobin	Fuel molecule __J
I. Cholesterol	Taste sugar __R
J. Cellulose	
K. Amino acids	
L. Glyceral	
M. Fatty acids	
N. Carbohydrate	
O. Phospholipid headgroup	
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 plant cell walls: cellulose
- Found in the revolution of insects, crustaceans, snails shells

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

- Proteins: amino acids
- Fats: glycerol, glycerol and fatty acids
- Steroids: 4 rings (steroides)
- Carbohydrates: monosaccharides

4. A strand of mRNA has the following sequence **CGAATACCTTA**, what is the sequence of the second round of DNA? **CCATACCAAT**

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