

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. Phospholipid	Protein __A, H, S
E. Glycine	Lipid __I, L, M, P
F. Hydrophobic	Oil __J, M, R
G. Glucose	Fat __B, E, G
H. Myoglobin	Fuel molecule __J
I. Cholesterol	Taste sugar __B
J. Fat	
K. Amino acids	
L. Glyceral	
M. Fatty acids	
N. Carbohydrate	
O. Phospholipid head	
P. Steroid	
Q. Saturated	
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 of plants

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 isoprenoids

Carbohydrates: monosaccharides

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

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