

Chemistry of Life Review Sheet

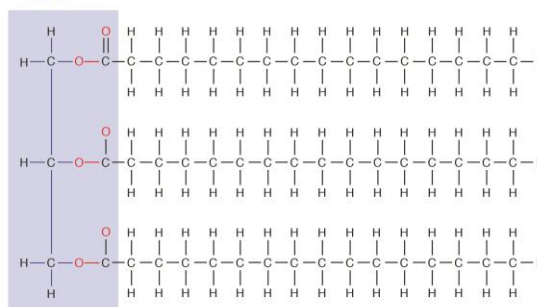
Carbohydrates

1. What are the building blocks of carbs?
2. What is the difference between a monosaccharide, disaccharide and a polysaccharide?
3. What is the relationship between starch and glucose? Use a labelled sketch to help.

Lipids

1. What is a major advantage of lipids on the body?
2. Fats are important because they can be modified into which 3 important types of molecules?
3. What are fat molecules called?
4. Label the glycerol and the fatty acids in the triglyceride shown.

Triglyceride



Protein

1. Describe 2 functions of proteins.
2. What are the structural sub-units of proteins?
3. How many different amino acids are there in human protein?

Nucleic Acid

1. What 5 elements are found in nucleic acid?
2. What are the building blocks of nucleic acids?
3. List the 3 parts of a nucleotide.
4. What makes up the backbone of a nucleic acid?
5. What type of bond forms between the base pairs of adjacent nucleic acids?
6. What are the complimentary base pairs for DNA?
7. Label the 3 parts of a nucleotide on the diagram below.

