

MIT Protein Set Class Notes

Name _____

To be completed in class using Protein Booklet 1 (pages 3-18).

Date _____

Class _____

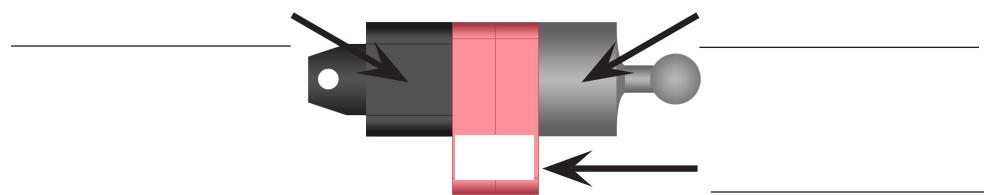
1. What are the subunits of proteins called? _____

They are small molecules. Proteins are flexible chains made from these subunits.

2. Explain how a person gets these subunits into their cells to make new proteins.

3. How many different amino acids are there? _____

4. Here is a model of an amino acid. Label the 3 parts of the molecule.



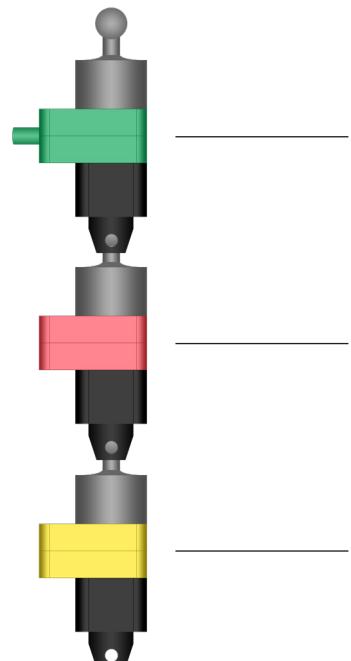
5. The amino acid above is pink (acidic). What is this amino acid's full name? _____

6. Write the abbreviation for the amino acid on the model above.

7. Is this pink amino acid hydrophobic or hydrophilic? _____

8. If a protein chain was surrounded by water, would you expect to find a pink amino acid in the middle of the folded protein? Or on the outside surface of the protein? Explain your thinking.

Label the order of the amino acids in this short protein 1, 2, or 3.



9. Name 3 hydrophobic amino acids. _____

10. Number the amino acids correctly in the diagram on the right.