A.P.	Biology
CH 5	- Proteins

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4					D.
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ns are polyme	s constructed of n	nonomers named _			
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Become familiar with the names of the amino acids by naming them all below, in alphabetical order of course. (just kidding on the order)

1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19.	20.	

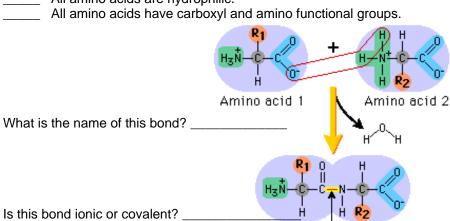
True (+) or False (0)

All living things (including bacteria) utilize the same 20 amino acids during protein construction.

Every protein has at least one of each of the 20 amino acids in it.

The "simplest" amino acid is glycine.

All amino acids are hydrophilic.



A polymer of amino acids linked by these bonds is called a The "backbone" of a polypeptide has the repetitive elemental sequence: C - C C - C C - C C - C	
Using the analogy of yarn and sweaters in your textbook, yarn is to as a sweater is to	
The two forms assumed by protein molecules are:	
1 and 2 After polypeptide assembly occurs, the molecule "folds" into a form or shape. Is this a <i>regulated</i> or <i>spontaneous</i> activity?	
Four Levels of Protein Structure Matching	
Primary structure Secondary structure Tertiary structure Quaternary structure C. A. B. OH CH2 HNC CH3 CH2 CH2 HNC CH4 CH2 CH2 CH2 CH2 CH2 CH2 CH	
What determines the sequence of amino acids during primary protein assembly?	
What type of cell is "A"?	
What is wrong with cell "B"? A	
How did it get that way?	
1 2 a helix c c H	
CH CONTRACTOR CONTRACT	3-

	Id in their secondary structures by bonds.		
The conformation Which is strong	eets more likely to be utilized in <i>fibrous</i> or <i>globular</i> proteins? on of a Tertiary structure protein is maintained byer, a <i>bridge</i> or a <i>hydrogen</i> bond?	bridges (or linkage	
another for incre	most common human protein. It consists of (#) edible tein of human hair?	shaped strands	twisted around one
If a protein char	nges shape as a result of environmental influence, the protein	n is said to be	
1 2	erent denaturing agents:		
	Why is this fried egg pictured to the left?		
	Why is this bowling ball pictured to the left?		
Prote-ins	(Get It?)		
	The oxygen-binding protein of red blood cells. Is denaturization reversible? What happens when a protein in an aqueous solution i Protein molecules that assist in the folding of other procalled		solvent?