THE CHEMISTRY OF LIFE

Vocabulary Review

Match the correct vocabulary term to each numbered statement. Write the letter of the correct term on the line.

	Column A		Column B
 _ 1.	class of relatively water-insoluble organic compounds of which waxes, fats, and oils are members	a.	saponification
 _ 2.	protein that catalyzes a chemical reaction in a living organism	b.	peptide
 _ 3.	any combination of amino acids in which the amino group of one acid is united with the carboxylic acid group of another	c.	lipids
 4.	process by which green plants and algae convert radiant energy from the sun into chemical energy	d.	polysaccharide
 _ 5.	a random change in the sequence of nucleotides in DNA	e.	active site
 _ 6.	a small organic molecule or metal ion necessary for an enzyme's biological activity	f.	enzyme
 7.	the location in an enzyme molecule into which the substrate of a chemical reaction fits	g.	photosynthesis
 _ 8.	a polymer of deoxyribonucleotides found primarily in the nucleus of a cell	h.	coenzyme
 _ 9.	segment of DNA that codes for one kind of protein	i.	gene
 _ 10.	complex carbohydrate formed by the linkage of many monosaccharide monomers	j.	deoxyribonucleic acid
 _ 11.	hydrolysis of fats or oils using hot aqueous sodium hydroxide	k.	mutation