		V NAME:	Per:	
Ch 2.3	-2.4			
TRUE (OR FALSE(Write '	"TRUE" or "FALSE" in the sp	ace provided.	
1.	Li	pids are polar molecules tha	at do not dissolve in water.	
2.	U	nsaturated fatty acids are fo	ound in plants and contain one or more double bonds	
	between carbons			
3.		hitin forms the main portior		
4.		he building blocks of lipids a		
5 An amino acid consists of an amine a			amine group on one side of the molecule and a	
_		ryl group on the other side.		
		Livings organisms use 40 different amino acidsThere are 12 essential amino acids for humans.		
٥.	8 Flagella in single celled organisms and cilia on the cell membrane are composed of carbohydrates.			
۵	•		n the reactions which they catalyze	
		Enzymes are always used up in the reactions which they catalyze. A nucleotide consists of a 5 carbon sugar, a nitrogenous base, and a sulfur group.		
			omponent of cell membranes.	
	A sucrose molecules consists of a glucose bonded to a fructose in a condensation			
	reaction.		0. 4 9.44000 40.4404 40 4 1.440000 11.44 40.1401.1401	
13		omers are molecules that h	ave the same formula but are different because they	
	are arranged d			
14	_	holesterol is a steroid .		
15 About 15 % of a person's cholesterol is produced by their own liver.				
		olymers are the building blo		
17	17 Carbon is the "backbone" of organic molecules.			
18	F	ats are solid at room tempe	rature and found in animals.	
19	G	lucose is an example of a m	onosaccharide.	
20	Be	enedict's solution will turn b	plack in the presence of a polysaccharide.	
MATCI	HING:			
21	Estrogen	A. a nucle	ic acid	
22	ATP	B. a polysa	accharide	
23	Glycogen	C. an enzy	rme	
24	Lactase	D. a stero	d	
25 Phospholipid		E. forms s	tructure of cell membrane	
MULTI	PLE CHOICE:			
		e following is NOT one of the eotides; D) lipids	e four main types of organic molecules: A) proteins; B)	

27 The type of bond which joins two amino acids together to form a protein is called: A) a peptide bond and is a condensation reaction; B) an ionic bond and is a condensation reaction; C) a hydrogen bond and is a precipitation reaction
28 The monomers of carbohydrates are: A) simple sugars; B) amino acids; C) nucleotides; D) fatty acids
29 Cholesterol, among other things, is needed to: A) catalyze the breakdown of hydrogen peroxide; B) produce vitamin D; C) produce vitamin E; D) catalyze the breakdown of lactose
30 Nucleic acids contain carbon, hydrogen, oxygen, nitrogen and: A) Phosphorus but not sulfur; B) Sulfur but not phosphorus
31 Waxes are an example of a: A) protein; B) Carbohydrate; C) Lipid; D) Nucleic Acid
32 Starch is a: A) monosaccharide; B) disaccharide; C) polysaccharide
33 Two examples of a nucleic acid are: A) Glycogen and chitin; B) estrogen and testosterone; C) DNA and RNA
34 An enzyme is: A) a biological catalyst; B) always used up in the reaction it promotes; C) unusual in that it is not affected by temperature, pH, or ionic conditions
35 Phospholipids contain: A) a hydrophilic head and a hydrophobic tail; B) a hydrophobic head and a hydrophilic tail
36 The amount of energy that is needed to get a reaction started is: A) always less than 98 degrees Fahrenheit; B) constant for all reactions; C) called activation energy; D) so small that it is considered insignificant
37 Large proteins embedded in the cell membrane that allow substances to pass through the membrane are called: A) Cilia; B) flagella; C) collagen; D) transport proteins
38 Insulin is composed of: A) three fatty acids and a glycerol; B) 51 amino acids; C) unsaturated fatty acids
39 The difference between saturated and unsaturated fatty acids is that saturated fatty acids are "saturated" with: A) grease; B) fat; C) oxygens; D) hydrogens
40 Eating foods with large amounts of high fructose corn syrup and hydrogenated vegetable oils is: A) a unhealthy food choice; B) an unhealthy food choice
Write "N" for Non-soluble and "S" for Soluble
41 starch
42 glycogen
43 glucose 44 cellulose
45 chitin