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Chemistry of Life Review Worksheet

Defin Matte	e the foller –	owing:			
Whatte	71				Label this atom:
Atom	ıs –				
Elem	ents –				
Comp	ounds –				
Name	e the three	•	atoms and give th	C	
List tl	he major		eir chemical symb	— ol found in or requir	red by living things
S	ymbol	Element		Symbol	Element
_					
Match t		ving organic cor Carbohydrates	npounds with the b. Proteins	e statements below: c. Lipids	d. Nucleic Acids
1.		·		-	
2. P	rovide en	ergy		14. Do not di	ssolve in water
	Contain H,	O, C, N		15. Store info	ormation for cell activities
	DNA			$-16. C_6H_{12}O_6$	
		drogen, carbon an	nd few oxygen	17. Polypepti	
	Stores enei Disacchari			18. Sugar, Ph 19. Structure	osphate and Nitrogen base
	Amino Aci			20. Lactose	and runction
	Glucose	ius		21. Monosaco	charides
	Steroids			22. Hair, mus	
11. S					plants through photosynthesis
12. F				24. RNA	
	Cellulose			25. Waxes	

		Name
	26.	Fructose
	27.	Glycogen
Cho	ose	the letter that best answers the question or completes the statement.
	27.	The positively charged particle in an atom is the:
		a. Neutron
		b. Ion
		c. Proton
		d. Electron
	28.	A covalent bond is formed by the:
		a. Transfer of electrons
		b. Sharing of electrons
		c. Gaining of electrons
		d. Losing of electrons
	29.	An enzyme speeds up a reaction by:
		a. Lowering the activation energy
		b. Raising the activation energy
		c. Releasing energy
		d. Absorbing energy
Unc	lers	tanding Concepts: Write out the answer to each of the following questions.
	30.	Explain the relationship among atoms, elements and compounds.
	21	II and it a command analysis
	31.	How is a compound created?
	32.	Explain the properties of cohesion and adhesion. Give an example of each property.
	33.	Identify three major roles of proteins.
	24	Nama tana basis hinda afamalais saida
	34.	Name two basic kinds of nucleic acids.
	35.	What is the purpose of an enzyme?
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36. Why is water so important to agriculture?

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