Stude	Student name:		
TRUE 1)		E - Write 'T' if the statement is true and 'F' if the statement is false.  umber of protons in an atom of an element always equals its mass number.	
	<ul><li>•</li><li>•</li></ul>	true false	
2)	Radio	active isotopes have stable nuclei.	
	<ul><li></li><li></li><li></li><li></li><!--</td--><td>true false</td></ul>	true false	
3)	Sodiu	m and chloride atoms interact with each other because they both lose electrons.	
	<ul><li></li><li></li><li></li><li></li><!--</td--><td>true false</td></ul>	true false	
4)	The sy	mbol Na+ represents a sodium atom that has lost an electron.	
	<ul><li></li><li></li><li></li><li></li><!--</td--><td>true false</td></ul>	true false	
5)	Water	is an example of a compound.	
	<ul><li>•</li><li>•</li></ul>	true false	
6)	If Ca	<sup>+2</sup> were to gain 2 electrons, it would become Ca <sup>0</sup> and become neutral. true false	

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**7**)

each other and form an ionic bond.

Two negatively charged bromide (Br  $^{-}$ ) ions exist in solution. They will be attracted to

	<ul><li>O</li></ul>	false
8)	Chem	istry is the study of the composition of matter and how matter changes.
	0	true
	0	false
9)	CaCl	2 is dissolved in water. The chlorine that is released will be in the form of anions.
	<b>o</b>	true
	0	false
<b>10</b> ) produc		ompound H <sub>2</sub> SO <sub>4</sub> will dissociate in water to create HSO <sub>4</sub> <sup>-</sup> and H <sup>+</sup> . The <sub>4</sub> <sup>-</sup> is a base.
	<b>o</b>	true
	0	false
11)	In the	reaction between HCl and Ca(OH) 2, the product CaCl 2 will be a salt.
	0	true
	0	false
12)	Chem	ically inert atoms always have their outermost electron shell full.
	<b>o</b>	true
	0	false
13)	An ac	id is an electrolyte that releases hydroxide ions (OH <sup>-</sup> ) in water.
	<b>o</b>	true
	0	false
14)	A base	e is an electrolyte that releases ions that will then combine with hydrogen ions.

	<ul><li></li><li></li><li></li></ul>	true false
15)	An ele	ctrolyte ionizes in water.
	<ul><li></li><li></li><li></li><li></li><!--</th--><th>true false</th></ul>	true false
<b>16</b> )	A pers	on with alkalosis has a blood pH less than 7.3.
	<ul><li></li><li></li><li></li><li></li><!--</th--><th>true false</th></ul>	true false
<b>17</b> )	A com	plex carbohydrate consists of a phosphate group attached to a sugar molecule.
	<ul><li></li><li></li><li></li><li></li><!--</th--><th>true false</th></ul>	true false
18)	Choles	sterol, a type of lipid, is composed of three fatty acid chains attached to glycerol.
	<ul><li></li><li></li><li></li><li></li><!--</th--><th>true false</th></ul>	true false
<b>19</b> )	Glycog	gen is a complex carbohydrate that is obtained by eating plants.
	<ul><li></li><li></li><li></li><li></li><!--</th--><th>true false</th></ul>	true false
<b>20)</b> phospl	-	spholipid differs structurally from a triglyceride in that the phospholipid has three ups attached to the glycerol molecule rather than three fatty acid chains.
	<ul><li></li><li></li><li></li></ul>	true false

Nucleic acids are composed of building blocks called amino acids.

21)

	0	true
	0	false
22)	A p	rotein is formed by a sequence of amino acids.
	0	true
	0	false
23)	Pro	teins contain the code for the production of nucleic acids.
	0	true
	0	false
24)	DN	A and RNA are nucleic acids.
	0	true
	0	false
		E CHOICE - Choose the one alternative that best completes the statement or
		e question.
25)	Ma	tter is composed of elements which, in turn, are composed of
	A)	atoms
	B)	inorganicmolecules
	C)	organicmolecules
	D)	chemicals
26)	The	e atomic number of an atom equals the number of, and the mass number
•		, und the mass number
	A)	weight of all electrons; number of protons plus neutrons
	B)	number of protons; weight of all the electrons
	C)	number of neutrons plus protons; number of electrons
	D)	number of protons; number of protons plus neutrons

27)	What occurs to form a covalent bond?
	<ul> <li>A) One atom loses electrons and another atom gains electrons.</li> <li>B) Atoms share one or more pairs of electrons.</li> <li>C) Oppositely charged atoms are attracted to one another.</li> <li>D) Like-charged atoms repel each other.</li> </ul>
28)	What occurs to form an ionicbond?
	<ul> <li>A) Each atom gains electrons.</li> <li>B) Atoms share a pair or moreof electrons.</li> <li>C) Oppositely charged atoms are attracted to each other.</li> <li>D) Like-charged atoms repel each other.</li> </ul>
29)	Sodium ions and calcium ions are examples of what type of particle?
	<ul><li>A) Cations</li><li>B) Uncharged particles</li><li>C) Anions</li><li>D) Salts</li></ul>
30)	The bond that forms between $K^{-+}$ and $Cl^{}$ is $a(n)$
	<ul><li>A) nonpolar covalent bond</li><li>B) ionic bond</li><li>C) hydrogen bond</li><li>D) polar covalent bond</li></ul>
31)	What happens to the ionic compound NaCl when placed in water?

	A) A new covalent bond will form between Na and Cl.
	B) NaCl will dissociate into Na <sup>+</sup> and Cl <sup>-</sup> ions.
	C) Na and Cl will each form a covalent bond with a water molecule.
	D) The bond between Na and Cl will become a hydrogen bond.
32)	What is the maximum number of hydrogen atoms a free carbon atom may bond with?
	A) 1
	B) 2
	C) 4
	D) 8
33)	How does one isotope of a particular element differ from another of the same element?
	A) The isotopes have different numbers of protons.
	B) The isotopes have different atomic numbers.
	C) The isotopes have different numbers of electrons.
	D) The isotopes have different mass numbers.
34)	Which of the following pairs of atoms are isotopes of each other?
	A) Atom A with 6 protons and 6 neutrons; atom B with 6 protons and 7 neutrons.
	B) Atom A with 6 protons and 6 neutrons; atom B with 7 protons and 6 neutrons.
	C) Atom A with 6 protons and 6 neutrons; atom B with 7 protons and 7 neutrons.
35)	Which statement correctly describes radioactive isotopes?

	A) They are stable and can participate in ch	nemical bonding.	
	B) They are unstable and will decompose,	releasing energy.	
	C) They are stable and will decompose, rele	easing energy.	
	D) They are unstable, but can become stable	e by bonding with other isotop	es.
36)	What type of atomic radiation will most dee	ply penetrate matter?	
	A) Alpha radiation		
	B) Beta radiation		
	C) Gamma radiation		
<b>37</b> ) an ator	Because the ways that atoms interact is due in chemically react in the same manner.	to their number of	, isotopes of
	A) electrons		
	B) neutrons		
	C) protons		
38)	The type of radiation that removes electrons	from atoms is called	radiation.
	A) ionizing		
	B) radicalizing		
	C) energizing		
	D) fusion		
<b>39</b> )	How does a computerized tomography (CT)	scan differ from a conventiona	al X-ray
image?			•

	B) The CT scan is three-dimensional.
	C) The CT scan is four-dimensional.
	D) The CT scan is safer.
40)	Positronemission tomography (PET) imaging relies upon the emission of
from r	radioactive isotopes such as carbon-11.
	A) positively charged electrons
	B) negatively charged electrons
	C) positively charged neutrons
	D) protons
41)	Chemistry is the branch of science that studies
	A) the composition, properties, and interactions of matter
	B) the function of organs within the body
	C) the structure of the organs of the body
	D) the location of organs in body cavities
42)	
<b>42</b> ) provid	In order to understand how digestion of nutrients occurs, or how nutrients are used to le cellular energy, it is necessary to understand
	A) chemistry
	B) anatomy
	C) radioactivity
	D) cytology
43)	Which of the following is an element?
•	

A) The CT scan is two-dimensional.

	A) Iron
	B) Water
	C) Sodium chloride
	D) Glucose
44)	What group of elements accounts for more than 95% of the human body by weight?
	A) Carbon, hydrogen, oxygen, nitrogen.
	B) Calcium, hydrogen, oxygen, nitrogen.
	C) Carbon, phosphorus, oxygen, hydrogen.
	D) Calcium, phosphorus, hydrogen, nitrogen.
45)	How do the atoms of different elements differ from one another?
	A) They have the same atomic numbers and the same mass numbers.
	B) They have the same atomic numbers but different mass numbers.
	C) They have different atomic numbers and different mass numbers.
	D) They have different atomic numbers but the same number of electrons.
<b>46</b> )	How do isotopes of a particular element compare to each other?
	A) They have the same atomic numberand same mass number.
	B) They have the same atomic numberbut different mass numbers.
	C) They have different atomic numbersbut the same mass number.
	D) They have different atomic numbers and different mass numbers.
<b>47</b> )	What particles are located in the nucleus of an atom?

	C) Electrons and neutrons
	D) Neutrons, electrons, and protons
<b>48</b> )	What is the mass number of an element whose atoms contain eight protons, eight
electr	ons, and eight neutrons?
	A) 8
	B) 16
	C) 24
	D) 32
49)	How do the atoms of isotopes of a particular element vary?
	A) They have differing numbers of electrons.
	B) They have differing numbers of protons.
	C) They have differing numbers of neutrons.
	D) They have differing number of nuclei.
50)	The first electron shell of an atom can hold a maximum of electrons.
	A) 1
	B) 2
	C) 4
	D) 8
<b>51</b> )	An atom has a full innermost shell and three electrons in its second shell. What would
happe	n when this atom forms a chemical bond?

A) Protons and neutronsB) Protons and electrons

	B)	It will lose all of the electrons from its innermost shell.
	C)	It will lose all of the electrons from both its innermost and second shells.
	D)	It will gain five electrons in its second shell.
52)	Wh	nat is the chemical formula H <sub>2</sub> O referring to?
	A)	An atom with two hydrogen molecules and one oxygen molecule.
	B)	An atom with one hydrogen molecule and two oxygen molecules.
	C)	A molecule that contains two hydrogen atoms and one oxygen atom.
	D)	A molecule that contains one hydrogen atom and two oxygen atoms.
53)	Wh	sich of the following best describes the reaction H $_2$ CO $_3 \rightarrow$ H $_2$ O + CO $_2$ ?
	A)	Decomposition reaction
	B)	Exchange reaction
	C)	Reversible reaction
	D)	Synthesis reaction
54)	A s	olution that contains equal numbers of hydrogen ions and hydroxide ions is described
as bei	ng	<del>.</del>
	A)	acidic
	B)	basic
	C)	alkaline
		neutral
	,	
55)	Wh	ten placed in a solution, the compound HNO 3 dissociates into H+ and NO 3.
,		und HNO 3 must be a(n)

A) It will lose three electrons from its second shell.

- A) salt
- B) nucleotide
- C) acid
- D) monosaccharide

The difference in hydrogen ion concentration between solutions with pH 4 and pH 5 is

·

- A) two-fold
- B) five-fold
- C) ten-fold
- D) hundred-fold

57) Which of the following best describes the reaction NaNO  $_3 + HCl \rightarrow HNO$   $_3 + NaCl$ ?

- A) Decomposition reaction
- B) Exchange reaction
- C) Reversible reaction
- D) Synthesis reaction
- 58) Consider the following list of commonly found items and their pH values: Baking Soda (8.3), Battery Acid (1.0), Beer (4.2), Bleach (12.8), Butter (6.1–6.4), Coffee (5.0), Egg Whites (7.6–8.0), Grapes (3.5–4.5), Milk of Magnesia (10.6), Tomato (4.0–4.5), Vinegar (2.2), White Bread (5.0–6.0)

Which list includes only acids?

- A) Egg whites, baking soda, milk of magnesia, and bleach.
- B) Tomatoes, egg whites, and baking soda.
- C) Vinegar, grapes, tomatoes, and coffee.
- D) Beer, butter, and baking soda.

**59**) What are electrolytes?

	11) Compounds that form covarent bonds with water.
	B) Compounds that ionize in water.
	C) Compounds that alter pH of the solution they are in electrolytes.
	D) Compounds that release radioactive radiation.
<b>6</b> 0)	What is massured by the pH scale?
<b>60</b> )	What is measured by the pH scale?
	A) Concentration of hydrogen ions in a solution.
	B) Concentration of salts dissolved in a solution.
	C) Concentration of hydroxide ions in a solution.
	D) Strength of an electrical current that a solution can carry.
(1)	Wilesting the control about the control of the first terms of the firs
61)	What is the most abundant inorganic substance in the body?
	A) Glucose
	B) Water
	C) Lipid
	D) DNA
<b>62</b> )	A blood pH of is called alkalemia.
	A) 6.5 - 7.0
	B) 7.0-7.2
	C) 7.2 - 7.5
	D) 7.5 - 7.8
	D) 1.3 - 1.0
63)	Why is a complete atom considered to be electrically neutral?

A) Compounds that form covalent bonds with water.

	C)	Because the number of electrons equals the number of protons.
	D)	Because the number of electrons is greaterthan the number of protons.
64)	Wh	nen are synthesis reactions particularly important in the body?
	A)	During the release of energy from nutrients.
	B)	For the digestion of food products.
	C)	For the growth of body parts.
	D)	During the neutralization of acids by buffers.
65)	Wh	nich of the following is true regarding the pH scale?
		Each whole number on the scale represents a two-fold difference in hydrogen ion
conce		The lower the whole number on the scale, the greater the H <sup>+</sup> concentration.
		Values above 7 are acidic.
		A substance of pH 2 is more basic than a substance of pH 4.
<b>66</b> ) type o		nen an acid and a base interact during a chemical reaction to produce water and a salt, a ction called a(n) reaction has occurred.
		synthesis
	B) C)	decomposition exchange
67)	Cor	nsider this reaction: HBr + NaOH $\Rightarrow$ NaBr + H $_2$ O. The product NaBr is a(n) $$ .

A) Because the number of protons equals the number of neutrons.B) Because the number of electrons equals the number of neutrons.

A)	buffer
B)	salt
C)	solvent
D)	acid
acid	ubstance that has been added to a protein sample does not alter the composition or sequence of the protein itself, but changes its three-dimensional structure. What term his effect?
A)	Decomposition
	Denaturation
C)	Exchange reaction
D)	Neutralization

- **69**) What is the role of oxygen in the body?
  - A) Reacts with water to form carbonic acid.
  - B) Used to release energy from nutrient molecules.
  - C) Functions as a major electrolyte.
  - D) Produced as a waste product of celluluar metabolism.
- **70**) What statement describes carbohydrates?
  - A) They contain C, H, O, with twice as many hydrogen as oxygen atoms.
  - B) They are not water soluble, but are lipid soluble.
  - C) They include enzymes, antibodies, and membrane receptor molecules.
  - D) Some will contain nitrogen and phosphate.
- 71) What type of molecule has a molecular formula of  $C_6H_{12}O_6$ ?

		Polysaccharide Phospholipid
72)	Wh	at statement describes lipids?
	B) C)	They are insoluble in water.  They contain abundant amounts of nitrogen and sulfur.  They have equal numbers of hydrogen and oxygen atoms.  They include starch, cellulose, and sucrose.
_	ratur	lagen is a protein with a coiled (helical) conformation. When it is exposed to high e, it becomes straight and flat. Its primary structure is not altered by the temperature hat happened to cause the molecule to flatten?
	B) C)	Bonds between carbon and oxygen were broken. Hydrogen bonds were broken. Peptide bonds were broken. Peptide bonds were formed.
74)	Wh	ich of the following is not an organic compound?
	B) C)	Sodium chloride Cholesterol DNA The enzyme phosphodiesterase
75)	Lar	d, a fat that is solid at room temperature, will have than peanut oil.

A) MonosaccharideB) Amino acid

- A) more oxygen atoms
- B) more glycerol groups
- C) more single carbon-carbon bonds
- D) fewer hydrogen atoms bonded to carbon atoms
- **76)** What statement describes proteins?
  - A) Proteins provide most of the energy used by cells.
  - B) The shape of proteins molecules are critical to their function.
- C) Proteins are built of long carbon chains with specialized chemical groups at either end of the chains.
  - D) Proteins are not water soluble.
- 77) Amylase is an enzyme that promotes the breakdown of starches during digestion. Which of the following describes the method by which amylase functions?
  - A) It catalyzes starch breakdown without being changed or depleted.
  - B) It functions as a hormone that signals for starch breakdown to begin.
  - C) It inhibits chemical reactions by being changed or depleted by the starch.
  - D) It changes its composition in order to break starch down itself.
- **78)** How is a protein molecule changed when it is denatured?
  - A) Its primary and secondary structures are altered.
  - B) Its secondary and tertiary structures are altered.
  - C) Its amino acid sequence and the secondary structure is altered.
  - D) Its tertiary and quaternary structures are altered.
- **79**) What statement describes DNA?

80)	What are nucleic acids?	
	<ul><li>A) Inorganic salts</li><li>B) Molecules that act as enzymes.</li><li>C) Molecules comprised of nucleotides.</li><li>D) Primary sources of cellular energy.</li></ul>	
81)	Nitrogenous bases are components of what type of molecule?	
	<ul><li>A) Nucleic acids</li><li>B) Proteins</li><li>C) Carbohydrates</li><li>D) Lipids</li></ul>	
causin	An individual with the condition called phenylketonuria cannot break down the ambenylalanine. Molecules that include phenylalanine will build up in the blood, potenting intellectual disability and other symptoms. This inherited disease can be controlled up a diet that is very low in	ially
	<ul><li>A) carbohydrates</li><li>B) cholesterol</li><li>C) protein</li><li>D) nucleic acids</li></ul>	
83)	The breakdown of table sugar (sucrose) into glucose and fructose is an example of reaction.	a(n)
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A) It is assembled out of subunits containing a sugar group and a phosphate group.

B) It is assembled out of subunits called amino acids.

D) It is important in forming the structure of cells.

C) It is a major source of cellular energy.

	A) synthesis
	B) decomposition
	C) neutralization
	D) exchange
84)	Nucleic acids include
	A) proteins and DNA
	B) RNA and DNA
	C) enzymes and RNA
	D) steroids and triglycerides
85)	How do DNA and RNA differ?
	A) DNA contains ribose and RNA contains deoxyribose.
	B) DNA is single-stranded and RNA is double-stranded.
	C) DNA codes for genetic information and RNA uses that information to synthesiz
protein	
	D) DNA is comprised of nucleotides and RNA is comprised of amino acids.
86)	What type of organic molecule can undergo replication?
	A) Protein
	B) Lipid
	C) Carbohydrate
	D) Nucleic acid
<b>0=</b> \	
<b>87</b> )	What does the term conformation refer to?

	A) The three dimensional shape of a molecule
	<ul><li>A) The three-dimensional shape of a molecule.</li><li>B) The energy held in the bonds of an organic molecule.</li></ul>
	C) The ability of DNA to copy itself.
	D) The amino acid sequence of a protein.
	The annio acid sequence of a protein.
88)	How are organic compounds different from inorganic compounds?
	A) Organic compounds always contain both carbon and hydrogen.
	B) Organic compounds always contain both oxygen and nitrogen.
	C) Organic compounds always contain both carbon and oxygen.
	D) Organic compounds always contain both nitrogen and hydrogen.
89)	Which of these is a monosaccharide?
	A) Glucose
	B) Starch
	C) Cellulose
	D) Sucrose
90)	Name the polysachharide synthesized by human cells and stored in the liver and skeletal
muscl	es.
	A) Glucose
	B) Glycogen
	C) Sucrose
	D) Lactose
91)	What building blocks form triglycerides?

	<ul><li>C) Three fatty acids and three phosphate groups.</li><li>D) Three fatty acids and one glycerol.</li></ul>	
92)	Which compound is not soluble in water?	
	A) Albumin	
	B) Cholesterol	
	C) Sucrose	
	D) DNA	
93)	Which molecule does not have a polar region?	
	A) Water	
	B) Triglyceride	
	C) Water-soluble amino acid	
	D) Glucose	
94)	How does an atom of helium differ from an atom of lithium?	
	A) One has two protons, and one has three.	
	B) One is organic and one is inorganic.	
	C) One is polar and one is not.	
	D) One is a molecule and one is a compound.	
95)	Chemical bonding occurs because of interactions between the	of atoms

A) Three glycerol groups and one fatty acid.

B) Three glucose molecules.

	A)	electrons
	B)	nuclei
	C)	protons
	D)	neutrons
96)	The	chemical bond called a(n) bond involves the unequal sharing of
electro	ons be	etween two atoms.
	A)	polar covalent
	B)	nonpolar covalent
		ionic
	D)	hydrogen
<b>97</b> )	If he	elium (He) were to gain a proton, what would it become?
	A)	He $^+$
	B)	He <sup>-</sup>
	C)	Helium-3
	D)	Lithium
<b>98</b> ) condit	_	atient's blood test shows that their blood pH is 7.26. What is the term for this
Conun	.1011 :	
	A)	Alkalosis
	B)	Acidosis
<b>99</b> )	Con	nplete ribosomes, found within cells of the body, are formed by the association
betwe		Eferent protein subunits. Each complete ribosome represents the of this
organ	elle.	

- A) primary structure
- B) secondary structure
- C) tertiary structure
- D) quaternary structure
- 100) Consider the following list of commonly found items and their pH values:

Stomach acid (2.0), tomato juice (4.2), cabbage (5.3), cow's milk (6.6), egg white (8.0), baking soda (8.4), milk of magnesia (10.5), bleach (12.8)

Which of the following is closest to the pH of distilled water?

- A) Tomato juice
- B) Baking soda
- C) Egg white
- D) Cow's milk
- 101) Consider the following list of commonly found items and their pH values:

Battery acid (1.0), vinegar (2.2), grapes (3.5–4.5), tomato (4.0–4.5), beer (4.2), coffee (5.0), white bread (5.0–6.0), butter (6.1–6.4), egg whites (7.6–8.0), baking soda (8.3), milk of magnesia (10.6), bleach (12.8)

Based on your knowledge of acid and base reactions, which of the following would be most likely to react with a base to form a salt?

- A) Bleach
- B) Battery acid
- C) Coffee
- D) Egg whites

## FILL IN THE BLANK. Write the word or phrase that best completes each statement or answers the question.

102) When atoms form chemical bonds, the particles that interact to form the bonds are the

103)	The opposite of a decomposition reaction is a(n) reaction.
<b>104</b> ) hydrox	The value along that pH scale that indicates an equal number of hydrogen ions and yl ions in solution is
105)	Based on their pH of 3.8, apricots are classified as being
106)	Amino acids are the building blocks for
107)	The amino acid sequence of a protein makes up its structure.
108)	Chemical groups called are the building blocks of nucleic acids.
109)	The organic molecule called has the unique ability to replicate itself.
<b>110</b> ) numbe	For the element iron (Fe), a change from Fe <sup>2+</sup> to Fe <sup>3+</sup> would require a change in the r of
111)	The difference between carbon-13 and carbon-14 is their number of
112) a(n)	The type of chemical bond formed when ions with opposite electrical charges attract is bond.

113) The particle formed when two or more atoms chemically bond together is a(n)

.

## **Answer Key**

Test name: Prentice2

- 1) FALSE
- 2) FALSE
- 3) FALSE
- 4) TRUE
- 5) TRUE
- 6) TRUE
- 7) FALSE
- 8) TRUE
- 9) TRUE
- 10) TRUE
- 11) TRUE
- 12) TRUE
- 13) FALSE
- 14) TRUE
- **15) TRUE**
- 16) FALSE
- 17) FALSE
- 18) FALSE
- 19) FALSE
- 20) FALSE
- 21) FALSE
- **22) TRUE**
- 23) FALSE
- 24) TRUE
- 25) A
- 26) D

- 27) B
- 28) C
- 29) A
- 30) B
- 31) B
- 32) C
- 33) D
- 34) A
- 35) B
- 36) C
- 37) A
- 38) A
- 39) B
- 40) A
- 41) A
- 42) A
- 43) A
- 44) A
- 45) C
- 46) B
- 47) A
- 48) B
- 49) C
- 50) B
- 51) A
- 52) C
- 53) A
- 54) D
- 55) C
- 56) C

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- 57) B
- 58) C
- 59) B
- 60) A
- 61) B
- 62) D
- 63) C
- 64) C
- 65) B
- 66) C
- 67) B
- 68) B
- 69) B
- 70) A
- 71) A
- 72) A
- 73) B
- 74) A
- 75) C
- 76) B
- 77) A
- 78) B
- 79) A
- 80) C
- 81) A
- 82) C
- 83) B
- 84) B
- 85) C
- 86) D

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- 87) A
- 88) A
- 89) A
- 90) B
- 91) D
- 92) B
- 93) B
- 94) A
- 95) A
- 96) D
- 97) D
- 98) B
- 99) D
- 100) D
- 101) B
- 102) electrons
- 103) synthesis
- 104) 7
- 105) acidic
- 106) protein
- 107) primary
- 108) nucleotides
- 109) DNA
- 110) electrons
- 111) neutrons
- 112) ionic
- 113) molecule