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Name					
MULTIPLE CHOICE.	Choose the one alternat	ive that best comple	tes the statement or ar	nswers the question.	
B) They m C) They co D) They ac	oak up extra acid and bas nonitor the blood pH. onvert H+ and OH- to w ccept and release H+. ccept and release OH				1)
2) Atoms or mo A) acids.	plecules that have gained B) buffers.	or lost electrons are C) ions.	called D) covalent.	E) bases.	2)
Answer: C Explanation:	A) B) C) D) E)				
determine th of carbon-14 the following A) An ioni B) The res C) The res	s often used for carbon da le age of items. Carbon-1 decay, one of its eight no g is the best explanation of ic bond has formed. sulting atom is now a diff sulting atom is still carbon sulting atom has a more s	4 contains six protor eutrons becomes a protor what has occurred ferent element because 1-14.	ns and eight neutrons. E roton and an electron is ?	During the process semitted. Which of	3)
Explanation:	A) B) C) D)				
the following	substance that carries ang would most likely NOT lar molecules A) B) C)	dissolve in water? B)	dissolve in water. Giver Ionic compounds Polar covalent molecul		4)

5) You drop a ha	ndful of common table salt into a glass of water. Which of the following best	5)
	t is happening inside the glass at the molecular level?	
•	d sodium form a covalent bond.	
·	tively charged hydrogen ends of the water molecules are attracted to chloride ions.	
•	and chloride ions form a covalent bond.	
D) The posit	tively charged hydrogen ends of the water molecules are attracted to sodium ions.	
Answer: B		
Explanation:	A)	
	B)	
	C)	
	D)	
4) Vour friend do	as a hally flop into a swimming pool. The stinging pain he feels is most likely due to	۲)
the	es a belly flop into a swimming pool. The stinging pain he feels is most likely due to	6)
	ension of water (caused by the large number of hydrogen bonds that form between	
water mo		
B) pH of the		
•	water is a good solvent.	
·	obic nature of your friend's skin.	
Answer: A	,	
Explanation:	A)	
Explanation.	В)	
	C)	
	D)	
living organisr A) High spe B) High spe C) High spe D) Low spec		7)
Answer: A	'	
Explanation:	A)	
·	B)	
	C)	
	D)	
	E)	
	ollowing best explains why a particular atom may not form compounds easily? In has no electrons.	8)
· ·	has an uneven number of protons.	
	n's outer energy shells are completely full.	
	has seven electrons in its outer shell.	
Answer: C	That sever electrons in its outer short.	
Explanation:	A)	
Ελβιαπαποπ.	B)	
	C)	
	D)	
	- ,	

9) The specific heat of water is 10 times greater than that of iron. You place a metal pot full of water				
lukewarm. WI A) You find B) You find C) You dete	nich of the following best descrik I that the handle is cooler than th I that both the water and the han ermine that metal pots full of wa	e water in the pot. dle are the same temperature.		
Answer: D Explanation:	A) B) C) D)			
this tell you at A) An iron B) An iron C) An iron D) An iron	ortant element in human body coout this element? atom is unable to become an isotatom has 13 electrons and 13 proatom has 26 protons. atom has 13 protons and 13 neut	otons.	10)	
Answer: C Explanation:	A) B) C) D)			
This is because	e the water in its body ph specific heat.	ine without its body temperature soaring quickly. B) is a poor solvent. D) has a low specific heat.	11)	
other atoms of free radical? A) Helium		ir outermost energy shell, so they react readily with le state. Which of the following could potentially be a B) Neon (atomic number 10) D) Fluorine (atomic number 9)	12)	

13) Water moves t	nrough a plant because of the property	of of	13)
_	of vaporization.	B) high heat of fusion.	
C) high spec	cific heat.	D) cohesion.	
Answer: D			
Explanation:	A)		
	B)		
	C)		
	D)		
A) Oxygen,	ments make up approximately 96% of hydrogen, calcium, sodium phosphorus, hydrogen, sulfur	living matter?	14)
C) Carbon, h D) Carbon, s	nydrogen, nitrogen, oxygen sodium, chlorine, magnesium oxygen, calcium, sulfur		
Answer: C			
Explanation:	A)		
	В)		
	C)		
	D)		
	E)		
15) An atom of nit	rogen attracts electrons more strongly	than an atom of hydrogen. In an ammonia	15)
		es the electrical charge of the individual atoms?	,
A) The nitro	gen becomes neutral.		
	gen is slightly positive.		
	gen is slightly more negative.		
	ogens are strongly negative.		
_	palance out and none of the atoms has	any charge.	
Answer: C	^		
Explanation:	A)		
	B) C)		
	D)		
	E)		
16) A neutral solut			16)
	amounts of H+ and OH		
B) has no H			
C) has a pH			
D) has no Ol			
E) is hydrop	DNODIC.		
Answer: A	A)		
Explanation:	A)		
	B) C)		
	D)		
	E)		

	atom that has the great electron shell. A) B) C) D)		erest and interact B) electron. D) neutron.	ctions with other atoms is the	17) <u>-</u>	
18) Which of the fo	ollowing is the denses	t? B) Liquid water		C) Ice	18) _	
Answer: B Explanation:	A) B) C)	b) Eigala water		G) 1.00		
19) A substance w substance is ca A) ion. B) compour C) mixture. D) element. E) molecule Answer: D Explanation:	nd.	that cannot be broken	ken down or coi	nverted into another	19) _	
	D) E)					
B) are alway C) have an o D) have an o E) have an o	overall negative electr	lectric charge. If electric charge.			20) _	
Answer: D Explanation:	A) B) C) D) E)					

	les are cohesive because they		21)
	drogen bonds.		
•	60% to 90% of an organism's body we	eight.	
D) contain p	other polar molecules.		
-	lled by nonpolar molecules.		
Answer: A	, ·		
Explanation:	A)		
	B)		
	C)		
	D)		
	E)		
22) Which of the f	ollowing results from an unequal shar	ring of electrons between atoms?	22)
	r covalent bond	3	, <u> </u>
B) Polar cov			
C) Ionic bor			
D) Hydroge	en bond -proton interaction		
Answer: B	-proton interaction		
Explanation:	A)		
Ехріанаціон.	B)		
	Ć)		
	D)		
	E)		
23) What is meant	by the statement that water has a hig	h specific heat?	23)
_	hot quickly.		
	n heat up to only a certain temperatur		
	sorb a lot of energy without changinging point of water is low.	temperature.	
	eezes easily.		
Answer: C	,		
Explanation:	A)		
	B)		
	C)		
	D) E)		
	L)		
24) What does H-	O-H represent?		24)
A) Molecule		B) Ionic bonding of water	
C) Atom of	water	D) Mixture including water	
Answer: A			
Explanation:	A)		
	B) C)		
	D)		
	•		

A) The num B) Ionizatio C) Electron	ber of electrons must equal the num	·	25)
Answer: D Explanation:	A) B) C) D)		
explain this re A) Antioxic B) Antioxic C) Antioxic	mmend a diet rich in antioxidants to commendation? lants are inert and do not interact wi lants prevent free radicals from attac lants cause an increase in pH, which lants steal electrons, which gives cell	cking other atoms or molecules. is necessary for neutrality in cells.	26)
Answer: B Explanation:	A) B) C) D)		
A) shares tv	arbon has atomic number 6. Carbon vo electrons with another atom. two electrons to another atom.	most likely B) forms four covalent bonds. D) forms ionic bonds with other atoms.	27)
Answer: B Explanation:	A) B) C) D)		
A) The first B) The first C) The elect D) The first	as an atomic number of 15, so what is energy level has 8 and the second has second, and third energy levels have tron arrangement cannot be determing energy level has 2, the second has 8, energy level has 2 and the second has A) B) C) D)	as 7. ve 5 electrons each. ned from the atomic number alone. , and the third has 5.	28)
	E)		

29) Which of the fo	llowing pairs has the most similar chemical properties to each other?	29)
A) 12 _C and 2		
B) 16 _O and 3		
C) 12 _C and 1		
D) 1 _H and 22	· · · ·	
E) 1 _H and 2 _I	He	
Answer: C Explanation:	A)	
Explanation.	B)	
	C)	
	D) E)	
example, the ni in a plant. Rece	of living matter often have different forms of the same elements in their bodies. For trogen in an animal often has a slightly different atomic structure than the nitrogen ntly, nutritionists have discovered how to deduce the diets of various animal species he type of nitrogen (and other elements) inside their bodies.	30)
_	mical basis behind this scenario?	
	ants buffer the potential damage that free radicals do to cells.	
•	bonds result when two atoms share electrons. obic interactions keep water molecules from forming bonds with fats and oils.	
D) Isotopes of	of the same element have the same atomic number but different atomic masses. ve elements can be used to trace the paths of molecules through the body.	
Answer: D		
Explanation:	A) B)	
	C)	
	D)	
	E)	
31) If you examined	d the human body on a chemical composition basis, which of the following	31)
A) O, C, N, N	f elements would be most common? Na	
B) O, C, P, S C) C, H, Ca,	CI	
D) O, C, H, N		
E) C, N, Ca,	S	
Answer: D	A)	
Explanation:	A) B)	
	C)	
	D)	
	E)	

32) The hydrogen	bond between two water molecules forms because water is	32)
A) a large m	nolecule.	
B) polar.		
C) nonpolar		
D) hydroph	obic.	
E) a small n	nolecule.	
Answer: B		
Explanation:	A)	
I	B)	
	C)	
	D)	
	E)	
	,	
33) Sweating is a u	useful cooling mechanism for humans because water	33)
_	in two states at temperatures common on Earth.	,
B) ionizes re		
•	a great deal of heat in changing from its liquid state to its gaseous state.	
-	standing solvent.	
-	a great deal of heat in changing from its solid state to its liquid state.	
Answer: C		
Explanation:	A)	
Explanation.	В)	
	C)	
	D)	
	E)	
34) The atomic nu	mber of hydrogen is 1. Based on this fact, all of the following must be true of	34)
	(H ₂) EXCEPT that it	· · · · · · · · · · · · · · · · · · ·
A) is a polar	· -	
· ·	ne pair of electrons between the two hydrogen atoms.	
	alent bonds to form the molecule.	
D) is a stable		
ŕ	o molecule.	
Answer: A	A \	
Explanation:	A)	
	B)	
	C)	
	D)	
25) \//b;ab af th a f		25)
	ollowing is an example of hydrogen bonding?	35)
	d between the H of a water molecule and H of a hydrogen molecule d between O and H in a single molecule of water	
•	between O of one water molecule and O of a separate water molecule	
	between O of one water molecule and H of a separate water molecule	
	between H of one water molecule and H of a separate water molecule	
·	between H of one water molecule and H of a separate water molecule	
Answer: D		
Explanation:	A)	
	B)	
	C)	
	D) E)	

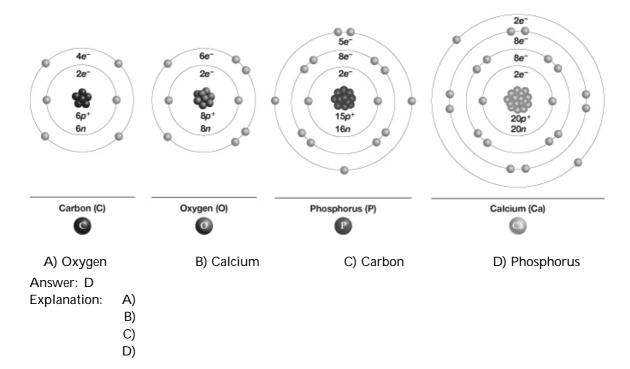
			cted by the presence	of water?		36)
A) Nonpola B) Polar cov	valent b					
C) Ionic bor D) Hydroge						
E) Electron		interaction				
Answer: A	۸)					
Explanation:	A) B)					
	C)					
	D) E)					
37) Which of the f A) H ₂ O	ollowin	g represents a m B) NaCl	nolecule characterize C) O2	ed by polar covalent bo D) H ₂	onding? E) CH4	37)
Answer: A						
Explanation:	A)					
	B) C)					
	D)					
	E)					
			_	dying its characteristic		38)
_	_	n physiology. Su th of the followi		electrons in their outer	r shell. Based on	
A) Sulfur is	an impo	ortant isotope of	f hydrogen.			
B) Sulfur ca C) Sulfur is		important mole	cules using covalent	bonds.		
•		electrons in its o	outer shell.			
Answer: B	_					
Explanation:	A)					
	B) C)					
	Ď)					
39) Which of the f	ollowin	g best explains t	the attraction of wate	er molecules to each o	ther?	39)
A) Nonpola	ır covale	ent bond				, <u> </u>
B) Polar cov C) Ionic bor		ond				
D) Hydroge	en bond					
E) Electron	-proton	interaction				
Answer: D Explanation:	۸)					
LAPIAHAHUH:	A) B)					
	C)					
	D) E)					
	<i>∟)</i>					

40) Most biologica		are joined by			40)
A) hydroge					
B) covalent C) ionic bor					
D) disulfide					
E) peptide					
Answer: B					
Explanation:	A)				
•	В)				
	C)				
	D)				
	E)				
41) What happen:	s when hvdr	rochloric acid (HCI) o	dissociates in pure water	?	41)
	=	f OH- ions increases.	· ·		
•		separate into H+ and			
•		rease of H+ ions.			
•		on increases.			
E) The HCI	molecules f	float on top of the wa	iter.		
Answer: B					
Explanation:	A)				
	B)				
	C) D)				
	E)				
	,				
			I. In the blood, bicarbon	ate serves as a(n)	to 42)
help maintain	the necessa		0) 1	D) ! I	
A) buffer		B) solvent	C) base	D) acid	
Answer: A	۸۱				
Explanation:	A) B)				
	C)				
	D)				
	•				
43) Hydrophilic r					43)
	dissolve in w				
	ral and nonp	ooiar. Ive in water.			
		ds among themselves	3		
	lled by wate	•).		
Answer: A	.				
Explanation:	A)				
1	B)				
	C)				
	D)				
	E)				

	leus is composed of		44)	
	and electrons.			
	and neutrons. s and electrons.			
D) neutrons				
E) protons				
Answer: B				
Explanation:	A)			
•	B)			
	C)			
	D)			
	E)			
A) Nonpola	ollowing results from a transfer of elect r covalent bond	ron(s) between atoms (e.g., NaCI)?	45)	
B) Polar cov				
C) Ionic bor				
D) Hydroge	- proton interaction			
Answer: C	-proton interaction			
Explanation:	A)			
Explanation.	B)			
	C)			
	D)			
	E)			
46) What determin	nes the cohesiveness of water molecule:	\$7	46)	
•	nobic interactions	B) Ionic bonds	40)	
C) Hydroge		D) Covalent bonds		
Answer: C				
Explanation:	A)			
	B)			
	C)			
	D)			
47) Imagine that w	you have been hired as a chemist and w	our first task is to examine a newly discovered	47)	
		mic number is 110. What does this mean?	47)	
	n is an isotope.			
	n contains 55 electrons.			
	n contains 55 protons and 55 neutrons.			
	n contains 110 protons.			
Answer: D				
Explanation:	A)			
	B)			
	C) D)			
	ر <i>ا</i>			

_		t. It has a pH of 10. Based on this information,	48)
milk of magne A) is an acio C) is hydro	d.	B) is a base. D) has the same pH as stomach acid.	
Answer: B Explanation:	A) B) C) D)		
A) They are	ent is an accurate description of water restightly charged and polar. uncharged and nonpolar.	molecules? B) They are ionically bonded. D) They are charged and nonpolar.	49)
Answer: A Explanation:	A) B) C) D)		
50) If a certain ato A) isotope. C) polar mo Answer: D Explanation:	A) B)	, that atom can then become a(n) B) water molecule. D) ion.	50)
51) All animals ne	C) D) ped oxygen gas (O2) for their primary o	ellular-level functioning. Inside the cell, O2 is	51)
split apart into "received" by t basic element oxygen to form In this scenario A) Water (H	o oxygen atoms. Eventually, electrons this oxygen. But first, the electrons comethat has a single proton and a single element of a certain chemical compound. To, what chemical compound is produced.	hat are flowing through the cell will be bine with protons present in the cell to form a ectron. Then this element combines with the ed when this element combines with oxygen? B) Ozone (O3) D) Carbon dioxide (CO2)	
Answer: A Explanation:	A) B) C) D)		

A) attack the B) steal elec C) damage o		ous because they as, causing those atoms to become an antioxidant		52)
B) ions are f C) more tha D) atoms fro	are shared unequally	s is shared. repelling each other.		53)
54) What type of b A) Polar cov Answer: B Explanation:		d in aqueous solutions (B) Ionic	(one in which the solvent is water)? C) Covalent	54)



56) A single covalent chemical bond represents the sharing of how many electrons?

56)

- A) Three
- B) Two
- C) Six
- D) Four
- E) One

Answer: B

Explanation: A)

- B)
- C)
- D)
- E)

57) If you place a paper towel in a dish of water, the water will

57)

- A) move up the towel as the water adheres to the paper towel while the cohesive water molecules stay bound to each other.
- B) dissolve the towel because water is a good solvent.
- C) move away from the towel because water molecules have hydrophobic interactions.
- D) move up the towel because water molecules move quickly as it vaporizes.
- E) separate into H+ and OH- ions, which will react with the paper towel molecules.

Answer: A

Explanation: A)

- B)
- C)
- D)
- E)

58) If sulfur has al	n atomic numb	per of 16, no	w many covalent b	onds can it form with	other atoms?	58)
A) Six	B) Fo	our	C) Eight	D) Zero	E) Two	
Answer: E						
Explanation:	A)					
	B)					
	C)					
	D)					
	E)					
	_	-	een a hydrogen ato	m and what other ato	m?	59)
_	i, oxygen, and	fluorine				
B) Oxygen						
C) Fluorine						
D) Nitroger						
E) Hydroge	211					
Answer: B	• >					
Explanation:	A)					
	B)					
	C)					
	D)					
	E)					
60) If a substance	measures 7 on	the nH scal	le that substance			60)
	I concentration					
B) is basic.		13 OF FE	a 011 10113.			
•	her concentrat	tion of OH-	than H+ ions.			
_	/ lacks OH- ior		than 11 Tons.			
E) may be I		13.				
Answer: A	ciriori juice.					
	۸)					
Explanation:	A) B)					
	C)					
	D)					
	E)					
	_,					
61) Carbon has at	omic number 6	. Carbon m	ost likely			61)
A) shares no			,			·
B) loses pro	otons.					
C) shares el	ectrons.					
D) shares p	rotons.					
E) loses ele	ctrons.					
Answer: C						
Explanation:	A)					
	B)					
	C)					
	D)					
	E)					

surface due to the A) density of the water. C) polarity of the water. D) surface tension of the water. Answer: D Explanation: A) B) C) D) 63) The atomic number of an atom is defined as the A) total number of electrons and neutrons. B) number of electrons in the outermost energy level. C) number of protons in the atomic nucleus. D) total number of energy shells. E) number of neutrons in the atomic nucleus. Answer: C Explanation: A) B) C)	2)
Explanation: A) B) C) D) 63) The atomic number of an atom is defined as the A) total number of electrons and neutrons. B) number of electrons in the outermost energy level. C) number of protons in the atomic nucleus. D) total number of energy shells. E) number of neutrons in the atomic nucleus. Answer: C Explanation: A) B)	
A) total number of electrons and neutrons. B) number of electrons in the outermost energy level. C) number of protons in the atomic nucleus. D) total number of energy shells. E) number of neutrons in the atomic nucleus. Answer: C Explanation: A) B)	
Explanation: A) B)	3)
D) E)	
64) Which of the following is attracted to the hydrogen "end" of a water molecule, as depicted in this figure?	4)
A) CI- B) H C) NaCl D) Na+	

Answer: A Explanation:

A)B)C)D)

A) gain or lo B) gain or lo C) sharing o D) sharing o			65)
A) covalent	of sodium chloride (NaCl) is the result bonding. unreactivity. A) B) C) D)	Ilt of B) repelling between the same charges. D) attraction between opposite charges.	66)
A) hydroph B) ionic nat C) slightly c D) polar nat	oblic nature of the water. but of water molecules. contained the water. contained the water. contained the water. contained the water molecules. contained the water. contained the water molecules. contained the	I by the	67)
restored? A) Bicarbon B) Carbonic C) Bicarbon	ate (HCO3-) accepts H+ ions and forr acid eats up the extra OH- ions.	w is the proper balance of hydrogen ions (H+) ms carbonic acid. mbine with excess OH- ions to form H ₂ O.	68)

A) dete B) incr C) buil	 69) Radioactive isotopes are biological tools that are often used to A) detect brain tumors and other important medical technologies. B) increase the pH of blood. C) build up a store of calcium in a cell. D) measure the size of fossils. 		
Answer: . Explanati			
	ease its property of cohesion. ome less dense. D	B) increase its heat of vaporize D) absorb heat from its surro	
	ng the electron, Na has B) 12 E	ndency to lose an electron in the presence of protons in its nucleus. C) 21 D) 22	of chlorine. 71)
SHORT ANSWER.	Write the word or phrase that k	oest completes each statement or answers	s the question.
olive oil ir Instead, y happenin Answer: '	nto a container of water. You stir ou observe a glistening clump of g at the molecular level. (Your an When oil molecules are together and nestle together. They are sur bonds with one another but not w	memade salad dressing and place several of the solution, but the oil doesn't readily m f oil floating on the surface. Explain what nswer should include the term hydrophobic in water, their nonpolar surfaces are hydrorounded by water molecules that form hy with the oil.	ix. is c.) cophobic
73) What is th	ne difference between covalent a	nd ionic bonds?	73)
	the electric charge attraction betw	of electrons between atoms, whereas ionic ween two ions (typically a metal and a nor	
74) Ions and _I	polar molecules that are electrica	ally attracted to water molecules are	74)
Answer: Explanati	nydrophilic on:		

75) The chemical properties outermost energy shell.	of an element are determined by the number of in its	75)	
	Answer: electrons Explanation:			
76		in which water molecules stick to each other, is responsible for the ater from their roots up to their leaves?	76)	
	Answer: cohesion Explanation:			
77) The second electron shel	I is considered to be full when it contains electrons.	77)	
	Answer: eight Explanation:			
78) What type of bonding ex slight negative charge of	ists between the slight positive charge of a hydrogen atom and the a nearby oxygen atom?	78)	
	Answer: hydrogen bond Explanation:	ling		
79) more stable than a hydro	gen atom (atomic number 1)?	79)	
	must accept an	completely fill the outermost electron shell of helium, but hydrogen electron before its outermost shell is filled.		
	Explanation:			
80) A basilisk lizard can run	across the surface of a pond due to a property of water called	80)	
	Answer: surface tension Explanation:			
81) Isotopes are atoms of the	same element that have different numbers of	81)	
	Answer: neutrons Explanation:			
82) How does a base differ f	rom an acid?	82)	
	Answer: A base is a solution with a concentration of OH- that is higher than the concentration of H+ (pH greater than 7). An acid has a H+ concentration that exceeds its OH- concentration (pH less than 7).			
	Explanation:			
TRUE/FA	ALSE. Write 'T' if the state	ement is true and 'F' if the statement is false.		
83) Acids have pH values be	elow 7, whereas bases have pH values above 7.	83)	
	Answer: True Explanation:	False		
84) Water surface tension is	a result of the cohesive nature of water molecules.	84)	
	Answer: True Explanation:	False		

85)	Most liquids becowhen it solidifies.	me less dense upon solidification, but water is different in that it becomes denser	85)
	Answer: True Explanation:	False	
86)	Every atom of the	same element has an equal number of electrons and protons.	86)
	Answer: True Explanation:	False	
87)	The attractive for bond.	ce that holds two or more water molecules together is an example of an ionic	87)
	Answer: True Explanation:	False	
88)		es, stable hydrogen bonds form between the water molecules that create an open, anal) arrangement.	88)
	Answer: True Explanation:	False	
89)	To maintain a cor	stant pH, buffers act to either accept or release H+.	89)
	Answer: True Explanation:	False	
90)	Isotopes are atom	s of the same element that have different numbers of protons.	90)
	Answer: True Explanation:	False	

Answer Key Testname: C2

1) D

2) C

3) B

4) A

5) B

6) A

7) A

8) C

9) D

10) C

11) A

12) D

13) D

14) C

15) C

16) A

17) B

18) B

19) D

20) D 21) A

22) B

23) C

24) A

25) D

26) B

27) B

28) D

29) C

30) D

31) D

32) B 33) C

34) A

35) D

36) A

37) A

38) B

39) D

40) B

41) B

42) A

43) A

44) B 45) C

46) C

47) D

48) B

49) A

50) D

Answer Key Testname: C2

- 51) A
- 52) B
- 53) A
- 54) B
- 55) D
- 56) B
- 57) A
- 58) E
- 59) B
- 60) A
- 61) C
- 62) D
- 02, 0
- 63) C
- 64) A
- 65) A
- 66) D
- 67) D
- 68) A
- 69) A
- 70) D
- 71) E
- 72) When oil molecules are together in water, their nonpolar surfaces are hydrophobic and nestle together. They are surrounded by water molecules that form hydrogen bonds with one another but not with the oil.
- 73) Covalent bonds are the sharing of electrons between atoms, whereas ionic bonds are the electric charge attraction between two ions (typically a metal and a non-metal).
- 74) hydrophilic
- 75) electrons
- 76) cohesion
- 77) eight
- 78) hydrogen bonding
- 79) Two electrons completely fill the outermost electron shell of helium, but hydrogen must accept an electron before its outermost shell is filled.
- 80) surface tension
- 81) neutrons
- 82) A base is a solution with a concentration of OH- that is higher than the concentration of H+ (pH greater than 7). An acid has a H+ concentration that exceeds its OH- concentration (pH less than 7).
- 83) TRUE
- 84) TRUE
- 85) FALSE
- 86) TRUE
- 87) FALSE
- 88) TRUE
- 89) TRUE
- 90) FALSE