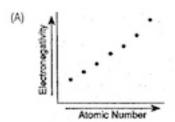
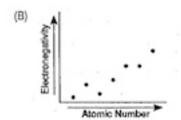
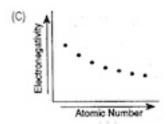
Name	:	Date:										
		Chemistry Test - Units 4 & 5										
	1.	True or false? The greater the difference in electronic difference in e	oneg	ativity between two b	onded atoms, the more							
	polar the bond.											
		A) True	B)	False								
	2.	Which of the following bonds would be the most	pola	r without being consi	dered ionic?							
		A) Mg-O B) C-O C) O-O	•	D) Si-O	E) N-O							
	3.	Which of the following has nonpolar bonds?		,	,							
		A) H_2S	D)	OF_2								
		B) HCl	E)	All are nonpolar.								
		C) Br ₂	L)	rin are nonpotar.								
	1	, -	a tha	n most nolar								
	4.	Order the following bonds from the least polar to the most polar . N-O, Ca-O, C-O, O-O, Ni-O										
		A) $O-O < N-O < C-O < Ca-O < Ni-O$	D)	O-O < N-O < C-O	< Ni_O < Ca_O							
		B) O-O < C-O < N-O < Ni-O < Ca-O		Ni-O < Ca-O < C-								
		C) Ca-O < Ni-O < C-O < N-O < O-O	L)	NI-0 < Ca-0 < C-	0 < 11-0 < 0-0							
	5	The element in period 2 with the largest atomic ra										
	٥.	A) a halogen		an alkali metal								
		,			ta1							
	6	B) a noble gas D) an alkaline earth metal Which sequence of atomic numbers represents elements which have similar chemical properties?										
	0.	A) 19, 23, 30, 36 B) 9, 16, 33, 50		3, 12, 21, 40	D) 4, 20, 38, 88							
	7	All of the atoms of the elements in Period 2 have			D) 4, 20, 30, 66							
	7.	A) protons		valence electrons								
		B) neutrons		occupied energy lev	alc							
	Q	,										
	0.	In which classification is an element placed if the outermost 3 sublevels of its atoms have a ground										
		state electron configuration of 3p ⁶ 4s ² 3d ⁵ ?	C	matallaida								
		A) alkaline earth metals		metalloids								
	0	B) transition metals		nonmetals								
	9.	Low ionization energies are most characteristic of			D) makla aagaa							
	10	A) metals B) nonmetals Live a size of a partial of the Partial of Table 4 has also as		metalloids	D) noble gases							
	10.	In a given period of the Periodic Table, the eleme	nı w	in the lowest first lo	nization energy is always							
		In A) Crown 1 P) Crown 2	C	Cassa 17	D) Cross 10							
	11	A) Group 1 B) Group 2		Group 17	D) Group 18							
	11.	As the atoms of the elements in Group 1 are considered in order from top to bottom, compared to the ionization energy of the atom above it, the ionization energy of each successive atom										
				••	ccessive atom							
		A) decreases		remains the same	.1							
	12	B) increaes		changes unpredictab	лу							
	12.	Which of these metals loses electrons most readily	_	4 :	D) 1:							
	12	A) calcium B) magnesium		potassium	D) sodium							
	13.	Which sequence correctly places the elements in c			ion energy?							
		A) $H \to Li \to Na \to K$		$O \rightarrow S \rightarrow Se \rightarrow Te$	·_							
	1 /	B) $I \rightarrow Br \rightarrow Cl \rightarrow F$ Which stem has the strongest ettraction for electrons.		$H \rightarrow Be \rightarrow Al \rightarrow G$	rä							
	14.	Which atom has the strongest attraction for electr			D) I							
		A) Cl B) F	C)	Br	D) I							

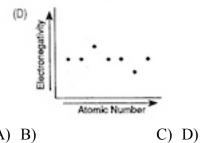
13.	As the elements in	1 Group 1 are cons	sidered in or	aer of it	icreasing	atomic nu	mber, the	atomic radius			
	each successive e	lement increases.	This is prim	arily du	e to an in	crease in the	he numbe	r of			
	A) neutrons in th	e nucleus		C) 1	unpaired	electrons					
	B) electrons in the	ne outermost energ	gy level	D) 1	orincipal	energy leve	els				
16.	When a sodium a	-		, -		CJ					
	A) decreases by	gaining an electror	1	C) i	ncreases	by gaining	an electr	on			
	B) decreases by	-		-		by losing a					
17.	Which element has an atomic radius that is greater than its ionic radius?										
	A) S	B) K	C	C) 1			D) O				
18.	Elements that read	/	s tend to have	•			,				
	A) high ionization energy and high electronegativity										
	B) high ionization energy and low electronegativity										
	C) low ionization energy and high electronegativity										
	D) low ionization energy and low electronegativity										
19.	Which element in Period 3 has the greatest tendency to gain electrons?										
	A) Na	B) Si		C) (D) Ar				
20.	Which sequence of	/	nged in order	of decr	easing ato	omic radii?	,				
	A) Al, Si, P	B) Li, Na	_		Cl, Br, I		D) N, C	C, B			
21.	Within Period 2 o	· · · · · · · · · · · · · · · · · · ·				eases, the a		*			
	A) decreases		ŕ		remains tl			2			
	B) increases			D) (changes u	ınpredictab	oly				
22.	The correct formu	ıla for iron(III) ph	osphide is			-	-				
	A) Fe_3P_2	B) FeP	C) Fe ₃	P	D)	FeP ₃	E)	Fe_2P_3			
23	The correct formu	ıla for sodium sult	fide is								
	A) Na ₂ S	B) NaS ₂	C) Na	S	D)	Na ₃ S	E)	SSu			
24	The correct formu	, <u> </u>	· ·		,	3	,				
21.	A) CO_2	B) CO	C) C ₂ ()	D)	$CMnO_2$	E)	CH ₄			
25	, <u>-</u>	,	· -		D)	Civino ₂	L)	C114			
23.	What is the formula A) P ₂ CO ₃	B) PCO ₃	$C) K_2$	CO.	D)	KCO ₃	E)	$K(CO_3)_2$			
26	, - 3	-	· -	CO ₃	D)	KCO3	L)	$\mathbf{K}(\mathbf{CO}_3)_2$			
26.	The correct formu			_	D)	I 00	Γ)	DI CO			
	A) PbSO ₃	B) PbSO ₄	C) LS	•	D)	L_2SO_4	E)	Pb_2SO_3			
27.	What is the correct										
	A) LPO ₃	B) LiPO ₄	C) Li ₃	PO_4	D)	LP_4	E)	$Li(PO_4)_3$			
28.	The correct formu	ıla for iron(III) hy	droxide is								
	A) $Fe(OH)_3$	B) Fe ₃ OH	C) Fe ₂	$(OH)_3$	D)	$Fe_3(OH)_2$	E)	$Fe_3(OH)_3$			
29.	The correct formula for ammonium dichromate is										
	A) $(NH_4)_2CrO_4$ D) $NH_4(Cr_2O_7)_2$										
	B) NH ₄ CrO ₄			E) ($(NH_4)_2C_1$	r_2O_7					
	C) $NH_4(CrO_4)_2$				1/2	2 /					
20	, , , , , , –	la for coloium hyv	lmavida9								
30.	What is the formu	ia ioi caicium nyc	iroxide?	D) (Ca (OH)						
	A) CaOH				Ca ₂ (OH)						
	B) $Ca(OH)_2$			E) 1	none of th	nese					
	C) $Ca(OH)_3$										
31.	Write the correct formula for calcium hydrogen carbonate.										
32.	Write the correct	formula for ammo	nium dichro	nate.							

- 33. Write the correct formula for dinitrogen pentoxide.
- 34. Write the correct formula for sodium hydride.
- 35. Write the correct formula for iron(III) sulfide.
- 36. Give the formula for iron(III) oxide.
- 37. Give the formula for barium phosphate.
- 38. Give the formula for dinitrogen pentoxide.
- 39. Give the formula for cobalt(II) nitrate.
- 40. Give the formula for lithium sulfide.
- 41. Give the formula for sulfur dioxide.
- 42. Give the formula for dinitrogen tetroxide.
- 43. Give the formula for magnesium phosphate.
- 44. Give the formula for sodium hydroxide.
- 45. Give the formula for silicon tetrafluoride.
- 46. Give the name for $LiC_2H_3O_2$.
- 47. Give the name for K_2CO_3 .
- 48. Give the name for $Fe(OH)_3$.
- 49. Give the name for CO_2 .
- 50. Give the name for $Al(OH)_3$.
- 51. Give the name for SnS_2 .
- 52. Give the formula for dinitrogen monoxide.
- 53. Give the formula for carbon monoxide.
- 54. Give the name for SiO_2 .
- 55. Give the name for K_2S .









A) B)

Answer Key - H_Practice Test Unit 4&5

- 1. True
- 2. D
- 3. C
- 4. D
- 5. C
- 6. D
- 7. C
- 8. B
- 9. A
- 10. A
- 11. A
- 12. C
- 13. B
- 14. B
- 15. D
- 16. B
- 10. D
- 17. B
- 18. A
- 19. C
- 20. A
- 21. A
- 22. B
- 23. A
- 24. B
- 25. C
- 26. A
- 27. C
- 28. A
- 29. E
- 30. B
- 31. Ca(HCO₃)₂
- 32. (NH₄)₂Cr₂O₇
- 33. N₂O₅
- 34. NaH
- $35. \ Fe_2S_3$
- 36. Fe₂O₃
- 37. Ba₃(PO₄)₂
- 38. N₂O₅
- 39. Co(NO₃)₂
- 40. Li₂S
- 41. SO₂
- 42. N₂O₄
- 43. $Mg_3(PO_4)_2$

- 44. NaOH
- 45. SiF₄
- 46. lithium acetate
- 47. potassium carbonate
- 48. iron(III) hydroxide
- 49. carbon dioxide
- 50. aluminum hydroxide
- 51. tin(IV) sulfide
- 52. N₂O
- 53. CO
- 54. silicon dioxide
- 55. potassium sulfide
- 56. A