Name: _	Date:
Honor	s Chemistry Practice Test - Unit3
	 True or false? The greater the difference in electronegativity between two bonded atoms, the mor polar the bond. A) True B) False
	2. Which of the following bonds would be the most polar without being considered 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 ₂ S B) HCl C) Br ₂ E) All are nonpolar.
	4. Write the correct formula for calcium hydrogen carbonate.
	5. Write the correct formula for ammonium dichromate.
	6. Write the correct formula for dinitrogen pentoxide.
	7. Write the correct formula for sodium hydride.
	8. Write the correct formula for iron(III) sulfide.
	9. Give the formula for iron(III) oxide.
1	O. Give the formula for barium phosphate.
1	1. Give the formula for dinitrogen pentoxide.
1	2. Give the formula for cobalt(II) nitrate.
1	3. Give the formula for lithium sulfide.
1	4. Give the formula for sulfur dioxide.
1	5. Give the name for SnS_2 .
1	6. Give the formula for dinitrogen monoxide.
1	7. Give the formula for carbon monoxide.
1	8. Draw the Lewis electron structure for the Cl ₂ molecule.

19. Draw the Lewis electron structure for the HI molecule.

2.1	21. Duran the Landin electron structure for the II Tours land		
21.	21. Draw the Lewis electron structure for the H ₂ Te molecule.		
22.	2. Draw the Lewis structure for NI ₃ .		
Use the following to answer questions 23-26.			
	Use the following choices to describe the moleculations. a. linear b. trigonal planar c. tetrahedral d. pyramidal e. V-shaped	ar structure of each of the following molecules or	
23.	CH ₄		
24.	SO_2		
25.	PF ₃		
26.	OCl ₂		
27.	True or false? The bonding forces that hold the atoms of a molecule together are called intermolecula forces, whereas the forces that occur among molecules that cause them to aggregate to form a solid or a liquid are called intramolecular forces.		
	A) True	B) False	
28.	3. The bonds between hydrogen and oxygen in a water molecule can be characterized as		
	A) hydrogen bonds B) London forces C) intermolecular forces	D) intramolecular forcesE) dispersion forces	
29.	When a water molecule forms a hydrogen bond with another water molecule, which atoms are involved in the interaction? A) a hydrogen from one molecule and a hydrogen from the other molecule B) a hydrogen from one molecule and an oxygen from the other molecule C) an oxygen from one molecule and an oxygen from the other molecule D) two hydrogens from one molecule and one oxygen from the other molecule E) two hydrogens from one molecule and one hydrogen from the other molecule		

20. Draw the Lewis electron structure for the AsH₃ molecule.

Answer Key - H_Practice Test 3a

- 1. True
- 2. D
- 3. C
- 4. $Ca(HCO_3)_2$
- 5. (NH₄)₂Cr₂O₇
- 6. N₂O₅
- 7. NaH
- 8. Fe_2S_3
- 9. Fe₂O₃
- 10. Ba₃(PO₄)₂
- 11. N₂O₅
- 12. $Co(NO_3)_2$
- 13. Li₂S
- 14. SO₂
- 15. tin(IV) sulfide
- 16. N₂O
- 17. CO

18.

- 19.
- 20.

21.

22.

- 23. c
- 24. e
- 25. d

- 26. e
- 27. False
- 28. D
- 29. B