CH301 Fall 2009 Practice Quiz 3	
	Which of the bonds below could be found in a non-polar molecule? I. C=C II. H-F III. B-Cl 1. I 2. II 3. III 4. I and III 6. II and III
ato H	Consider the molecule below; how many different hybridizations are required to describe all of its central times? (Note: the non-bonding electrons are omitted) — Si = Si — O — O — P = N — H 1. 1 2. 2 3. 3 4. 4 5. 5
,	Which of the following does not have a pyramidal molecular geometry? 1. IOF ₃ 2. XeCl ₄ 3. PH ₃ 4. AsI ₅
	Which of the following molecules is/are polar? I. SO ₂ II. O ₃ III. CH ₂ F ₂ 1. I 2. II 3. III 4. I and II 5. I and III 6. II and III 7. I, II and III
	Which of the compounds below would have the greatest number of pi bonds? 1. XeO ₃ 2. CH ₃ NHCHCCH 3. C(NH ₂) ₄ 4. HSCN 5. SO ₂
,	Which of the molecules below will contain a σ _{sp2,sp3} bond? 1. SiH ₃ CHCHCH ₃ 2. CH ₃ PHCH ₃ 3. CF ₃ CBr ₃ 4. CH ₂ SF ₂