1. Which species is the strongest acid?

   A. HF  
   B. HCl  
   C. HBr  
   D. HI

2. Which species is the strongest acid? Hint: Recall energies of a particle in a box, and so ask, "In H-A, which anion A- is most stable?"

   A. HF  
   B. HCl  
   C. HBr  
   D. HI

3. Which species is the strongest Lewis base?

   A. F-  
   B. Cl-  
   C. Br-  
   D. I-
4 Which H-A bond is the strongest?

A H-OH  
B H-SH  
C H-SeH  
D H-TeH

5 Which H-A bond is the strongest? Hint: Recall energies of a particle in a box, and so ask, "In H-A, which anion A- is most stable?"

A H-OH  
B H-SH  
C H-SeH  
D H-TeH

6 Which species is the strongest Lewis base?

A :OH-  
B :SH-  
C :SeH-  
D :TeH-
7 Which H-A bond is the strongest?

A H-OCI  
B H-OClO  
C H-OCl(O)2  
D H-OCl(O)3

8 Which species is the weakest Lewis base?

A :OCI-  
B :OCIO-  
C :OCl(O)2-  
D :OCl(O)3-