## 9/29/2010

## Quiz 2

1. For each of the following molecules, circle the proton(s) that is(are) most likely to be released when the molecule reacts as an acid.

a. H H     H—C—C—S—H     H H	b. Н—: Н Н—: Н Н—: Н Н	c. H :0:      H—C—C—O—H   H
d. O = C C H H	e. H H H C N N N H H H H	f. 0 0 H C S O H H H

2. For each of the following pairs, determine which is the stronger acid.

a.  H H  C C H  F F	b. 0    H C S H H H H	c. H—Cl
H H H H	H C O H	н—1

3. For the molecules drawn below, determine the hybridization of the indicated atoms. Some of the drawings are Lewis structures and others are Kekulé structures.

a.	H H     H—C—N—H   ***	ъ. :o:    н—с—s—н	c. H H    + H—C—N—H     H H
	C N	C S	N
d.	H C O H	e.  H C=N	f. H H H H H H H H H H H H H H H H H H H
	C O	C N	N

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