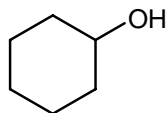


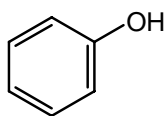
## Chapter 1 and 2, Worksheet 5

Rank the following in order of increasing acidity (1 = lowest, 3 = highest)

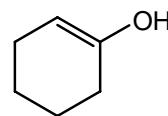
1.



1



3



2

2.



3



1



2

3.



2



1



3

4.



2

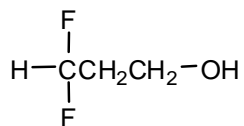


1

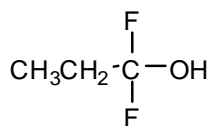


3

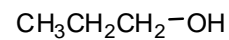
5.



2

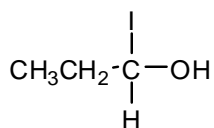


3

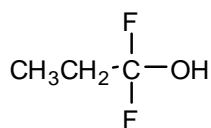


1

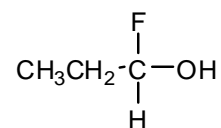
6.



1

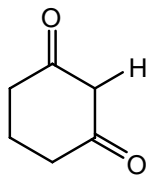


3

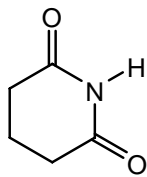


2

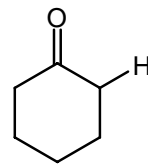
7.



2



3



1

8.



3

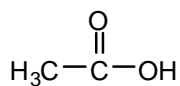


2



1

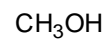
9.



2

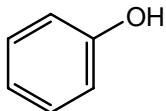


3

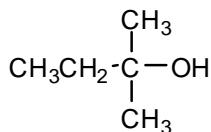


1

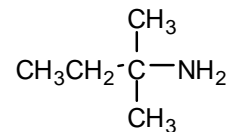
10.



3

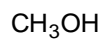


2

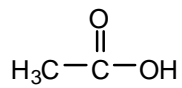


1

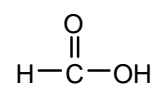
11.



1

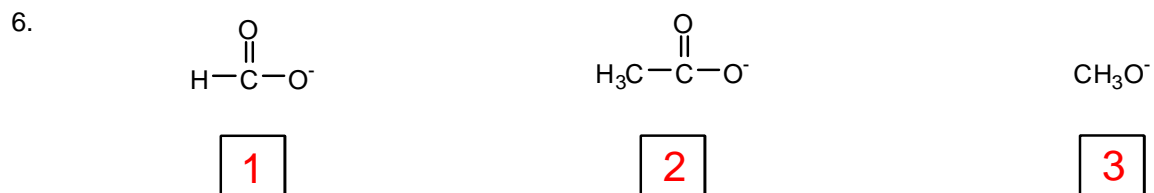
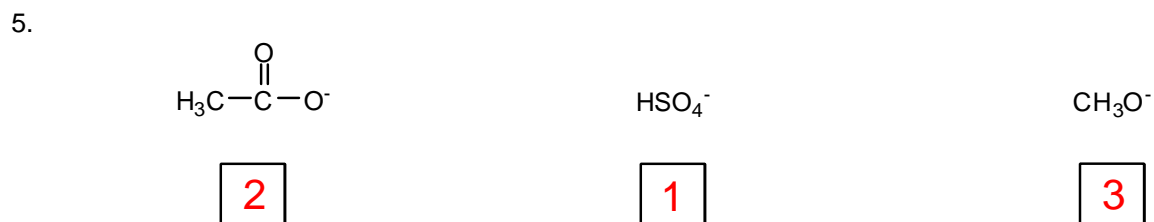


2

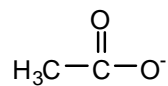


3

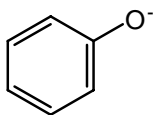
Rank the following in order of increasing basicity (1 = lowest, 3 = highest)



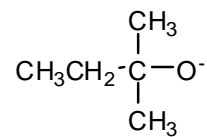
7.



2



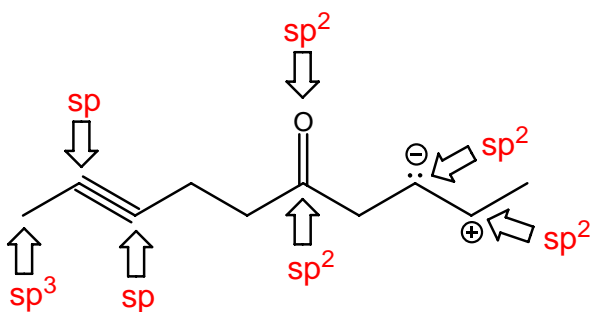
1



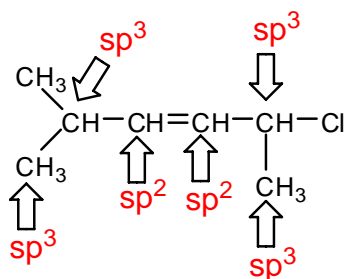
3

Predict the hybridization of the indicated atoms

1.



2.



3.

