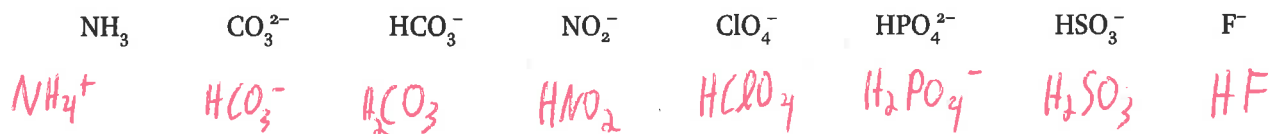


## Quiz 16.1 – Acid/Base Reactions

Name: Kery

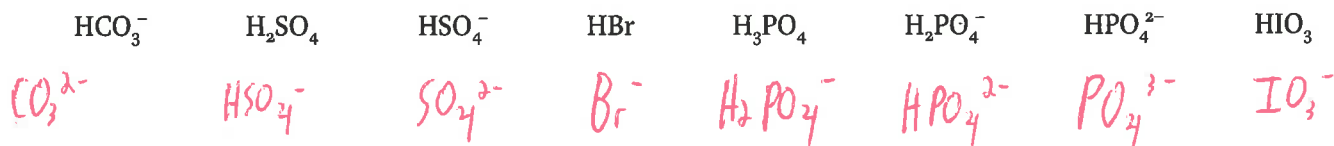
## Question 1

Give the conjugate acid for each of these bases:



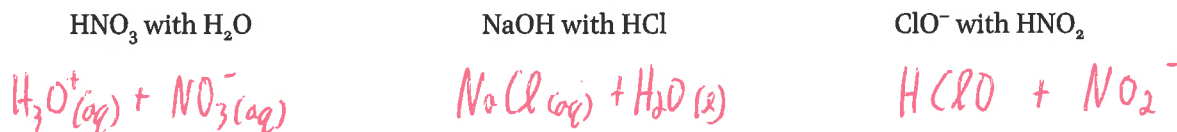
## Question 2

Give the conjugate base for each of these acids:



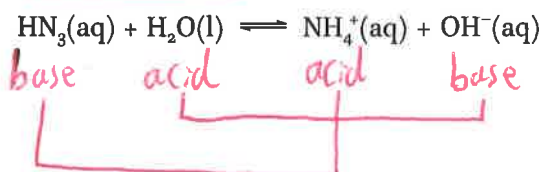
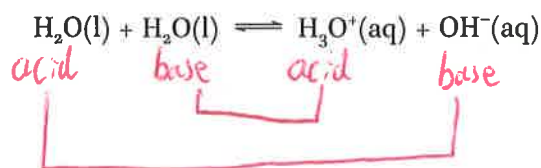
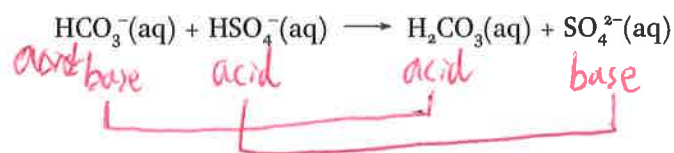
## Question 3

Predict the products for each acid/base reaction below:



## Question 4

For each reaction, identify the conjugate acid/base pairs



## Question 5

 $\text{HNO}_2$  is a stronger acid than  $\text{HF}$  is. What can you say about the relative base strengths of  $\text{NO}_2^-$  and  $\text{F}^-$ ? $\text{F}^-$  is a stronger base than  $\text{NO}_2^-$