## Comparison of acid strength

Rank the following acids, from strongest to weakest:

$$HCIO_3$$

$$HC_2H_3O_2$$

$$pK_a = -3$$

$$K_a = 1 \times 10^{-7}$$

$$pK_a = 3.1$$

$$K_a = 2 \times 10^{-5}$$

## Comparison of acid strength

Rank the following acids, from strongest to weakest:

$$HCIO_3$$
  $pK_a = -3$ 

$$HSO_3^{1-}$$
  $pK_a = 7.0$ 

HF 
$$pK_a = 3.1$$

$$HC_2H_3O_2$$
  $pK_a = 4.7$ 

## Comparison of acid strength

Rank the following acids, from strongest to weakest:

$$PK_a = -3$$
  
 $PK_a = -3$   
 $PK_a = 7.0$   
 $PK_a = 7.0$   
 $PK_a = 3.1$   
 $PK_a = 3.1$   
 $PK_a = 4.7$ 

$$HCIO_3 > HF > HC_2H_3O_2 > HSO_3^{1-}$$