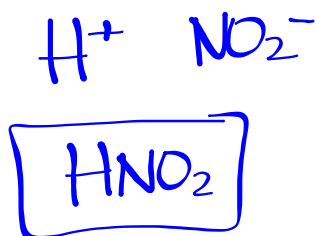


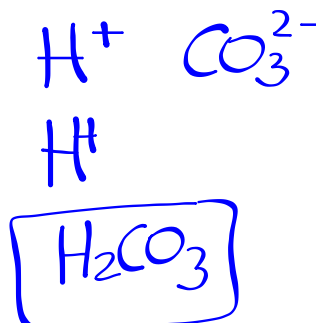
## Warm Up

Write chemical formulas for the following acids:

a) nitrous <sup>-ite</sup> acid

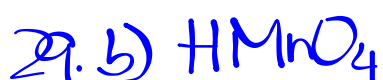


b) carbonic <sup>-ate</sup> acid

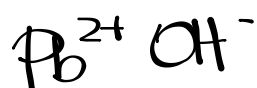


# Homework

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aqueous hydrogen permanganate  
permanganic acid

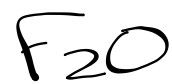
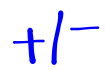


lead(II) hydroxide



## Empirical Tests

Compound	Conductivity	Litmus
ionic	✓	no change
molecular	X	no change
acid	✓	blue → red
base	✓	red → blue



SHARE

Identify each of the following as an acid, base, ionic compound or molecular compound.

Unknown	SATP State	Solution Conductivity	Litmus Test
A	solid	yes	red to blue
B	liquid	no	no change
C	gas	yes	blue to red
D	solid	yes	no change

Identify each unknown as  $\text{NH}_3$ ,  $\text{Ba}(\text{OH})_2$ ,  $\text{NaNO}_3$  or  $\text{HCl}$ .

B A D C

# Compounds Worksheet