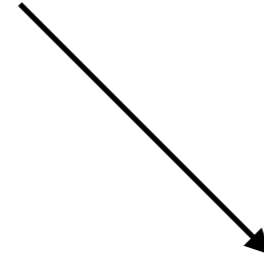
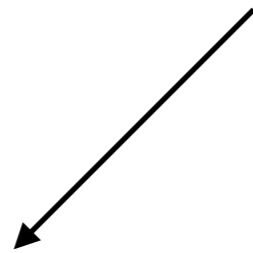


Naming Acids



Acids (produce H^+ ions in solution)



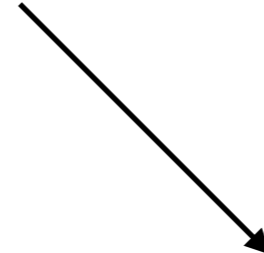
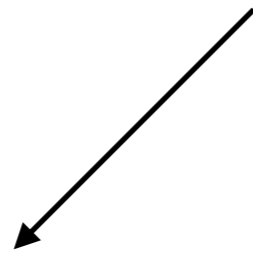
Binary Acid:

H^+ and an anion
(no oxygen)

Oxyacid:

H^+ and oxyanion

Acids (produce H^+ ions in solution)



Binary Acid:

H^+ and an anion
(no oxygen)

Oxyacid:

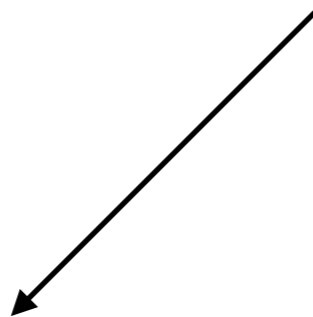
H^+ and oxyanion

hydro - “root name” - **ic** acid

HF

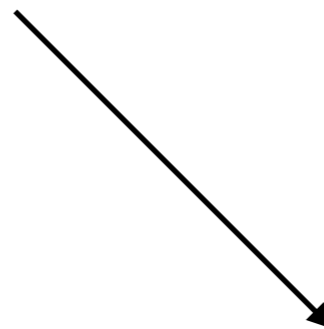
hydrofluor**ic** acid

Acids (produce H^+ ions in solution)



Binary Acid:

H^+ and an anion



Oxyacid:

H^+ and oxyanion

change the ending of the oxyanion

-ate → -ic

-ite → -ous



nitrate → nitric

nitric acid

Special Names:

anion	root	example
phosphide/ phosphate	“phosphor”	phosphoric acid
sulfide/sulfate/ sulfite	“sulfur”	sulfuric acid

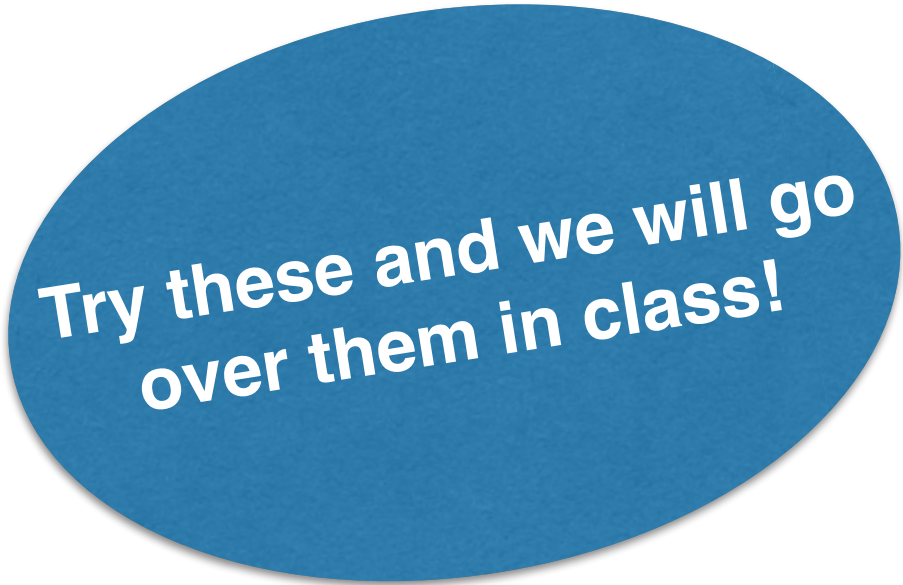
Practice

1) **HI**

2) **H₃P**

3) **HClO₂**

4) **HClO₃**



Try these and we will go over them in class!

Practice

1) **HI**

binary

hydroiodic acid

2) **H₃P**

binary

3) **HClO₂**

oxyacid

4) **HClO₃**

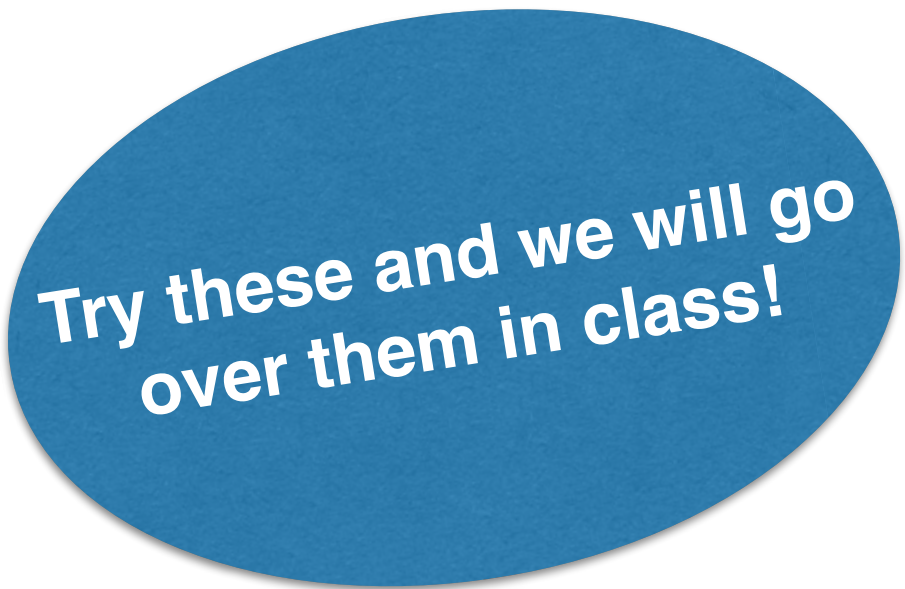
oxyacid

chloric acid

Answers...will go over in class!

Practice

- 1) **hydrocyanic acid**
- 2) **hydroselenic acid**
- 3) **perchloric acid**
- 4) **acetic acid**



Try these and we will go over them in class!

Practice

- 1) **hydrocyanic acid**
- 2) **hydroselenic acid**
- 3) **perchloric acid**
- 4) **acetic acid**

binary

binary

oxyacid

oxyacid

HCN

**Answers
...will go
over in**

HC₂H₃O₂