

ACIDS
*- a compound that produces hydrogen ions when dissolved in water,
 the H is a +1 ion*

NONOXYACID
binary acid

→ The first element is hydrogen and the second element is a nonmetal

- therefore the name of the acid begins with “**hydro**” then the root of the nonmetal and ends with “**ic**”

OXYACID
contains polyatomic ion

→ The name of the acid begins with the root of the polyatomic ion and...

-if the ion ends with “**ate**”, the acid ends with “**ic**”

-if the ion ends with “**ite**” the acid ends with “**ous**”

Ex.



Hydrochloric acid

Formula

1. HBr

2. H₂S

3. H₂SO₃

4. HNO₂

5. H₃PO₄

Ex.



sulfuric acid

Name

6. _____

oxalic acid

7. _____

nitric acid

8. _____

hydrochloric acid

9. _____

acetic acid

10. _____

hydrofluoric acid

More Practice

- | | | |
|-----|-------------------------|--------------------|
| 11. | H_2SO_4 | _____ |
| 12. | HI | _____ |
| 13. | H_2SO_3 | _____ |
| 14. | HNO_3 | _____ |
| 15. | HClO_2 | _____ |
| 16. | _____ | phosphorous acid |
| 17. | _____ | carbonic acid |
| 18. | _____ | nitrous acid |
| 19. | _____ | phosphoric acid |
| 20. | _____ | hydrosulfuric acid |