

Naming Acids

Name _____ Per. _____

1. Name the following binary acids:

HCl (aq) _____

HBr(aq) _____

HI(aq) _____

H₂S(aq) _____

H₃P(aq) _____

2. Write formulas for the following binary acids:

hydroiodic acid _____

hydrochloric acid _____

hydrobromic acid _____

hydrophosphoric acid _____

hydrosulfuric acid _____

3. Name the following ternary acids:

H₂CO₃(aq) _____

H₃PO₄(aq) _____

HClO₃(aq) _____

H₂SO₄(aq) _____

HNO₃(aq) _____

4. Write formulas for the following ternary acids:

acetic acid _____

arsenic acid _____

boric acid _____

chromic acid _____

iodic acid _____

5. Name the following acid, whose polyatomic ions have missing of extra oxygen atoms:

$\text{H}_2\text{SO}_3(\text{aq})$ _____

$\text{H}_3\text{As}_2\text{O}_3(\text{aq})$ _____

$\text{H}_3\text{PO}_2(\text{aq})$ _____

$\text{HBrO}_4(\text{aq})$ _____

$\text{HIO}(\text{aq})$ _____

6. Write formulas for the following ternary acids:

hyposulfurous acid _____

pernitric acid _____

fluorous acid _____

phosphorous acid _____

iodous acid _____

hypobromous acid _____