

## Chemistry Ch 18 Pretest

1. What is the name for  $\text{H}_2\text{SO}_4$ ?
2. What is the name for  $\text{H}_2\text{SO}_3$ ?
3. Write the formula for Nitric acid.
4. Write the formula for calcium hydroxide.
5. What is the pH and pOH of a  $5.34 \times 10^{-10}$  NaOH solution?
6. What is the pH and pOH of a solution made by adding water to 5.0 grams of HBr until the volume of the solution is 450 mL?
7. What is the pH and pOH for  $[\text{OH}^-] = 6.3 \times 10^{-9}$  M.
8. Complete the reaction. Label the reactants, as an acid or base, and also identify the conjugate acid and base.
  - a.  $\text{HCl} + \text{CaOH} \rightarrow$
  - b.  $\text{H}_2\text{O} + \text{H}_3\text{PO}_4 \rightarrow$
9. What does pH stand for?
10. Give an example of a diprotic acid.
11. What is amphoteric?
  - Know the steps in titration
  - Know the chemicals we used in the lab
  - Understand how a Buret works
  - Know the Acid/Base theories
  - Understand the pH scale values
  - Characteristics of Acids
  - Characteristics of Bases