

Worksheet 10.1: Acid-Base & pH

Name

1. Listed below are some of the properties of acids and bases. Fill in the blanks with the appropriate word, **acids** or **bases**:

a) acids produce hydrogen ions (H⁺) in solution e) acids have a sour taste

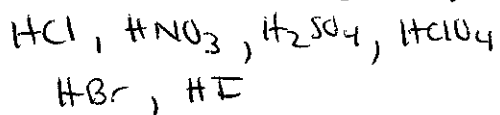
b) bases have a bitter taste f) bases have a slippery, soapy feel

c) bases produce hydroxide ions (OH⁻) ions g) bases react with acids to form salts

d) acids react with bases to form salts h) acids react with many metals

2. List 3 strong acids and explain why these acids are considered strong acids.

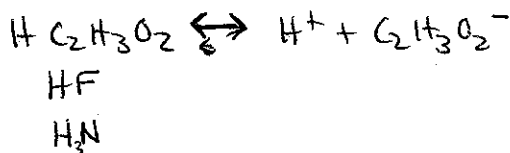
weak bond →



↳ dissociate completely

3. List 3 weak acids and explain why these acids are considered weak acids.

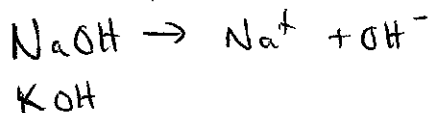
strong bond



↳ do not dissociate ..

4. List 2 strong bases and explain why these bases are considered strong bases.

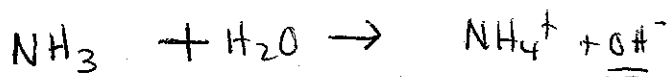
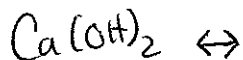
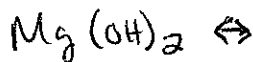
weak bond



↳ dissociate completely

5. List 1 weak base and explain why it is considered a weak base.

strong bond



↳ do not dissociate ..