

# Classifying Chemicals

## • Acids - Bases - Salts

### pH of Salt Solutions

List the six strong acids you are responsible for knowing: \_\_\_\_\_

Identify the strong bases: \_\_\_\_\_

Salt	Parent Acid	Acid Strength	Parent Base	Base Strength	Type of Salt
NaBr					
K <sub>3</sub> PO <sub>4</sub>					
Li <sub>2</sub> SO <sub>4</sub>					
Al(ClO <sub>4</sub> ) <sub>3</sub>					
CaCl <sub>2</sub>					

## • ACIDS, BASES, and SALTS

*State whether each chemical is an acid, a base, or a salt.*

*If it is an acid or a base, state whether it is strong or weak:*

- |  |       |       |
|--|-------|-------|
| 1. H <sub>2</sub> SO <sub>4</sub>                | _____ | _____ |
| 2. Mg(OH) <sub>2</sub>                           | _____ | _____ |
| 3. KBr   | _____ | _____ |
| 4. HI  | _____ | _____ |
| 5. HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> | _____ | _____ |
| 6. NH <sub>4</sub> OH                            | _____ | _____ |
| 7. HNO <sub>3</sub>                              | _____ | _____ |
| 8. Li <sub>2</sub> CO <sub>3</sub>               | _____ | _____ |
| 9. NaOH  | _____ | _____ |
| 10. HF   | _____ | _____ |