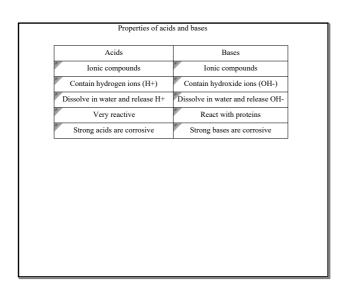
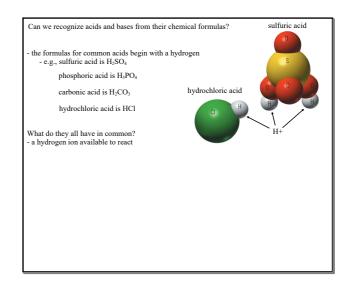


Table 2 Examples of Some Common Bases				
Common name	Formula	Use		
sodium hydroxide	NaOH _(aq)			
potassium hydroxide	KOH _(aq)			
aluminum hydroxide	A1(OH) _{3(aq)}			
ammonium hydroxide	NH ₄ OH _(aq)			
sodium bicarbonate	NaHCO _{3(aq)}			
potassium sulfite	K ₂ SO _{3(aq)}			

common acids

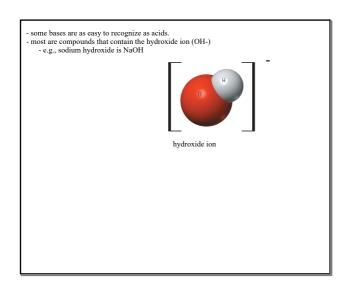
Common Bases

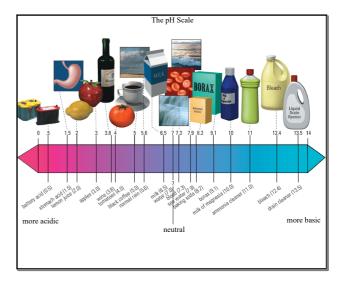




Properties of Acids

Formulas of Acids





Formulas of Bases pH Scale

1

Naming Acids					
Rules:					
Name the first ion (hydrogen) in full and change the name of the second ion to end in "ide" (unless it is polyatomic) Output Description:					
2. Change to the acid name using the following categories:					
H +ate =ic acid	, ,	sulfuric acid H ₂ SO ₄ (aq)			
H +ite =ous acid	H_2SO_3 = hydrogen sulfite \longrightarrow	sulfurous acid H ₂ SO ₃ (aq)			
H +ide = hydroic acid	HCl = hydrogen chloride	hydrochloric acid HCl(aq)			
3. When writing the formula, add the subscript aq (aqueous).					

Naming Acids Practice

1. hydrochloric acid

2. nitric acid

3. HNO₂(aq)

4. H₂CO₃(aq)

5. benzoic acid

6. HCH₃COO(aq)

7. HClO₃(aq)

Practice

Naming Acids

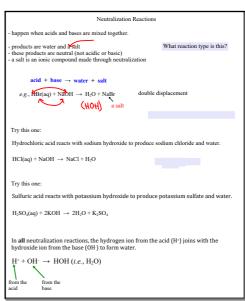
Naming Acids Quiz

If you're sitting on the left, answer the odd-numbered questions. If you're sitting on the right, answer the even-numbered questions.

1. hydrobromic acid
2. hydrofluoric acid
3. H₂SO₃(aq)
4. phosphoric acid
5. H₃BO₃(aq)
6. HClO₂(aq)
7. perchloric acid
8. H₂CrO₄(aq)
9. H₂S(aq)

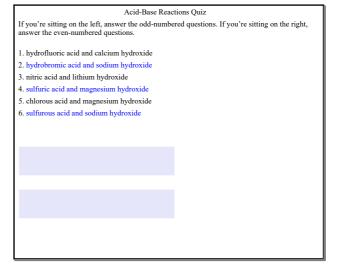
Quiz

10. HCN(aq)



Acid-Base Reactions

```
Write balanced chemical equations for each of the following:
a) hydrochloric acid and sodium hydroxide
b) hydrochloric acid and potassium hydroxide
c) nitric acid and sodium hydroxide
d) sulfuric acid and magnesium hydroxide
```



Practice Quiz

2