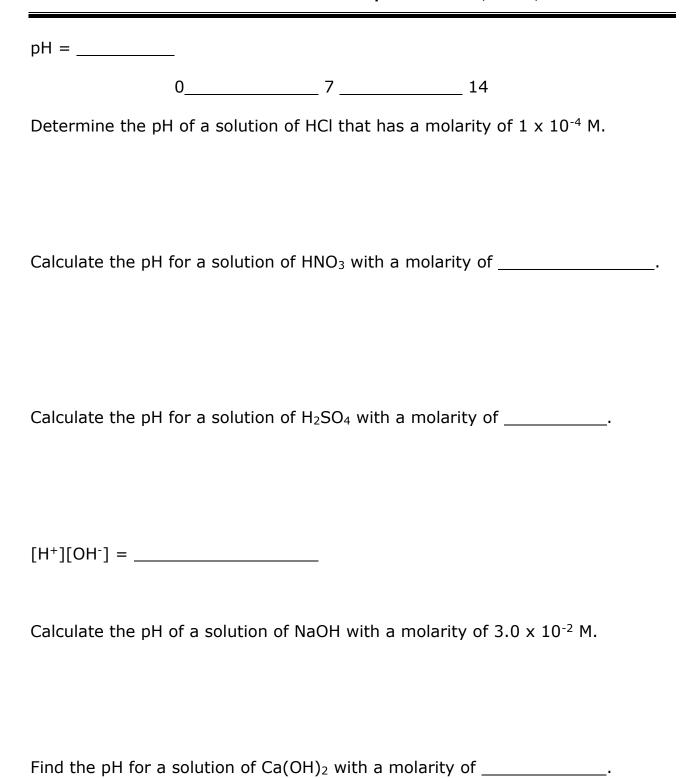
## Lesson 137: Indicators and the pH Scale Notes Chemistry with Lab

Acid/Base indicator:			t changes	in the	
presence o	of an	or a			
Solution	Litmus paper (R→B, B→R, or NC)	Phenolphthalein (color or NC)	Bromothymol Blue (color or NC)	Cabbage Juice (color or NC)	
HNO <sub>3</sub>					
NaOH					
КОН					
H <sub>2</sub> SO <sub>4</sub>					
<ol> <li>Litm</li> <li>Pher</li> </ol>		in an acid			
3. Bromothymol blue turnsin a base.			in an acid and		
4. Cabl base		in a	n acid and	in a	
Strong Acids: dissociate			(e	x:)	
Weak Acids: dissociate			(e	x:	
or	)				
Strong Bases: dissociate			(e	x:)	
Weak Bases: dissociate			(e	x:	
or	1				

## Lesson 137: Indicators and the pH Scale (cont.) Chemistry with Lab



## Lesson 137: Indicators and the pH Scale (cont.) Chemistry with Lab

Calculate both the hydrogen ion concentration and the hydroxide ion									
concentration for an aqueous solution that has a pH of									
The Chemistry Quiz									
CR1	CR2	1	2	3					

4. \_\_\_\_\_ 5. \_\_\_\_