

**Working with pH**

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Per: \_\_\_\_\_

**Directions:** Fill in the blanks in the "Things to Remember" box, then complete the table.**Things to Remember**

$$\text{pH} = -\log[\text{H}^+]$$

$$\text{pOH} = -\log[\text{OH}^-]$$

$$\text{pH} + \text{pOH} = 14$$

If the pH is  $< 7$  the solution is \_\_\_\_\_.If the pH is  $= 7$  the solution is \_\_\_\_\_.If the pH is  $> 7$  the solution is \_\_\_\_\_.

	[H <sup>+</sup> ]	pH	[OH <sup>-</sup> ]	pOH	Acidic, Neutral, or Basic?
1.	10 <sup>-5</sup> M				
2.		7			
3.			10 <sup>-4</sup> M		
4.				13	
5.		11			
6.			10 <sup>-5</sup> M		
7.	10 <sup>-3</sup> M				
8.				6	
9.		2			
10.	10 <sup>-12</sup> M				