

Name _____

Date _____

Class _____

Problem Solving Transparencies

17 The pH Scale

Use with Chapter 14, Section 14.2

1. This transparency shows the pH scale and the pH of some common substances.

What is the most acidic substance shown on the transparency? How do you know?

2. What is the most basic substance? How do you know?

3. Which is more basic—household ammonia or milk?

4. How many times more acidic is milk than baking soda?

5. What would happen to the pH of milk if lemon juice were added to it?

6. What would happen to the pH of lemon juice if household ammonia were added to it?

7. What would happen to the pH of distilled water if one drop of ammonia were added to it?

8. On the pH scale, what is the range of the positive values? What is the pH of a neutral solution?

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Is it acidic, basic, or neutral?

