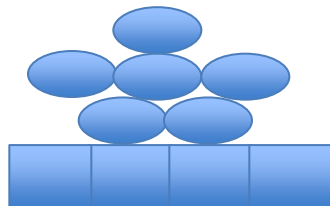**Name:** _____ **Date:** _____ **Class:** _____

Activity Pre/Post-Quiz

1. The variable y is in a proportional relationship with x. The number of squares represents an x value, the number of ovals represents the corresponding y value. Identify the constant of proportionality.

    The constant of proportionality is _____.

2. If a solution is acidic, it can be neutralized by adding a (an) _____.

3. A mystery substance has an unknown pH. How is pH paper used to determine the pH of the substance?

4. A recipe for a dozen cookies calls for 385 g (13 oz.) of sugar and 355 mL (12 oz.) of milk. Let x be the milk used, y the sugar used. Express this relationship with an equation. If you use 890 mL (30 oz.) of milk, how much sugar should you use?

5. When working with pH, what are indicators?

6. A group of students are working on a solution to a proposed problem. After they have researched and constructed a prototype, they begin testing. Their prototype failed and they are at a loss as to what to do next. Explain what step they should take next.