Pre-Lab quiz: Acid strength & titration1. Acidity is determined by the concentration of what ion?

2. Define the terms strong and weak acid.

3. What numerical value describes neutral pH? What common and universal solvent has a neutral pH?

4. What scale is used to measure pH? (circle one)

a. Linear

b. Logarithmic

c. Exponential

d. Semi-logarithmic

5. Are acidic and basic pH values greater than 7 or less than 7?

6. What equation is used for making dilutions?

7. What units of concentration & volume are used in the dilution equation?

8. What is the purpose of a titration reaction? What is required for a titration reaction?

9. What other types of chemical reactions could you use for titration? Endpoints?

10. If 27.3 mL of 2.00 M phosphoric acid is used to titrate 50.0 mL of calcium hydroxide, what is the molar concentration of the base?