

Getting to Know the pH Scale

Name _____

Date _____

Period _____

Classifying Acids and Bases

The pH of a solution is a number which tells how acidic or basic a solution is. pH values can range from 0-14. Determine whether the brief statements below describe an acid, a base, or a neutral solution. On the blank in front of the statement, write acid, base, or neutral. You may need to review your notes.

- _____ 1. Blue litmus paper turns red.
- _____ 2. Red litmus paper doesn't change color.
- _____ 3. Contains more H^+ ions than water.
- _____ 4. pH of 4.
- _____ 5. pH of 7.
- _____ 6. Vinegar.
- _____ 7. Contains less H^+ ions than water.
- _____ 8. Drain cleaner.
- _____ 9. Household ammonia.
- _____ 10. Lemon juice.

11. On the pH scale below, label the pH ranges for a strong acid, weak acid, strong base, weak base and a neutral solution.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
