

# pH Study Guide

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_

Write the information listed on the left in the boxes to the right.

- tastes bitter
- may be corrosive
- lots of  $H^+$  ions
- used in drain cleaners
- slippery
- pH more than 7
- pH less than 7
- cleaners are typically this
- sour
- juices
- $OH^-$

Acid

Base

Draw the pH scale in the space below. Label the numbers and also label the strong, medium, and weak areas of acid and base.

- Acids increase the number of \_\_\_\_\_ when added to a chemical.
- Bases increase the number of \_\_\_\_\_ when added to a chemical.
- Ammonia, Windex, and a bar of soap are examples of \_\_\_\_\_.
- A chemical that changes color in the presence of an acid or a base is called a \_\_\_\_\_.
- When an acid and base are mixed together they will always form a \_\_\_\_\_ and a \_\_\_\_\_.
- A pH of 4 is called a \_\_\_\_\_.
- A pH of 9 is called a \_\_\_\_\_.
- A pH of 3 is called a \_\_\_\_\_.
- A pH of 14 is called a \_\_\_\_\_.
- Bases feel \_\_\_\_\_ and taste \_\_\_\_\_.
- Acid feel \_\_\_\_\_ and taste \_\_\_\_\_.