

What is the pH scale?

Lesson Review

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

- _____ 1. Ammonium hydroxide is a weak base used as a household cleanser.
- _____ 2. When water is added to a strong acid or base, the acid or base becomes less dilute.
- _____ 3. Strong acids have a high pH.
- _____ 4. Sulfuric acid is a weak acid.
- _____ 5. A neutral solution has a pH of 0.
- _____ 6. In strong acids, pH paper turns blue.
- _____ 7. Nitric acid is used as an antiseptic.
- _____ 8. A measure of the concentration of hydrogen ions in a solution is the pH scale.
- _____ 9. In a weak base, pH paper turns pink.
- _____ 10. Bases have a pH above 7.

Skill Challenge

Skills: relating, identifying

Identify whether each pH indicates a weak acid, a strong acid, a weak base, a strong base, or a neutral solution.

1. pH 8 _____
2. pH 0 _____
3. pH 7 _____
4. pH 6 _____
5. pH 13 _____