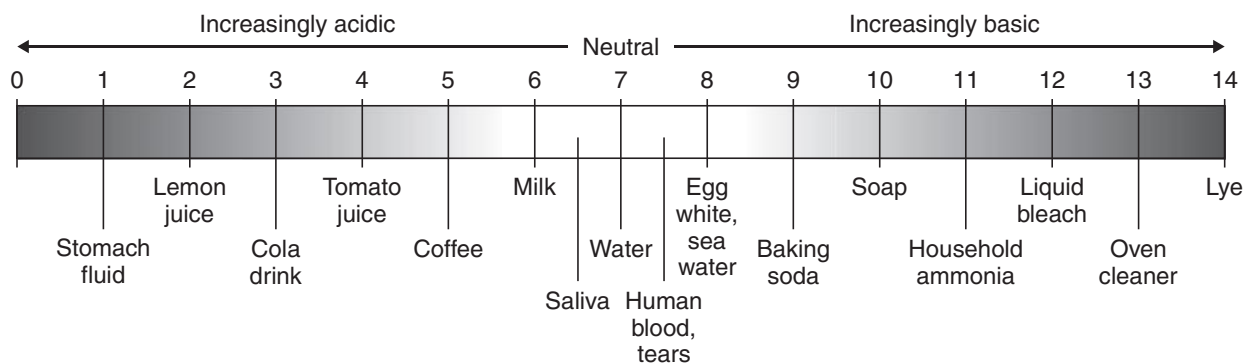

**Directed Reading for  
Content Mastery**
**Section 3 ■ Acidic and Basic  
Solutions**


**Directions:** Use what you know and the information on the pH scale to complete the sentences below.

1. An acid has a pH below \_\_\_\_\_.
2. A base has a pH above \_\_\_\_\_.
3. Your blood has a pH of \_\_\_\_\_.
4. The fluid in your stomach has a pH of \_\_\_\_\_.
5. If your stomach produces too much acid, you can take a substance that is a \_\_\_\_\_ to neutralize it.
6. Pure water has a pH of \_\_\_\_\_.
7. Oven cleaner is a strong \_\_\_\_\_.

**Directions:** Use the words listed below to fill in the blanks in the paragraph. A word may be used more than once.

**corrosive**                      **bitter**                      **hydroxide ions**                      **sour**                      **tissues**  
**substances**                      **slippery**                      **hydrogen ions**                      **electricity**

An acid is a substance that releases 8. \_\_\_\_\_ in solution. Acids taste 9. \_\_\_\_\_. Some acids can produce painful burns and damage 10. \_\_\_\_\_. Acid solutions conduct 11. \_\_\_\_\_. Since acids seemingly “eat away” certain 12. \_\_\_\_\_, acids are corrosive. A base produces 13. \_\_\_\_\_ in solution. In solution, bases feel 14. \_\_\_\_\_ and have a 15. \_\_\_\_\_ taste. Like acids, strong bases are 16. \_\_\_\_\_ and can produce painful burns. Basic solutions also conduct 17. \_\_\_\_\_.