____ 36. A substance that tastes bitter, feels slippery, and turns red litmus paper blue is a(n)
   a. acid.
   b. base.

____ 37. Any substance that forms hydrogen ions ($H^+$) in water is a(n)
   a. acid.
   b. base.

____ 38. Acids naturally present in food are safe to eat because they usually are
   a. strong.
   b. weak.

____ 39. The pH scale measures the
   a. strength of an acid.
   b. concentration of hydrogen ions.

____ 40. Neutralization is a reaction between
   a. an acid and a base.
   b. an acid and a metal.