

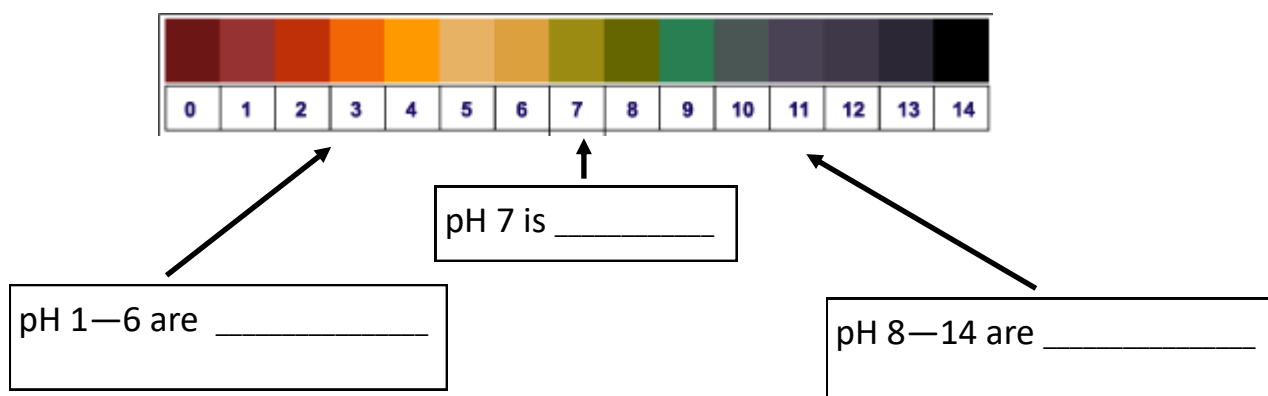
BGE Chemical Reactions Homework 1



1. a. What is the pH scale used for?

(1)

b. Complete the blanks in the following diagram to label a pH scale.



(3)

2. a. What is meant by the term **neutralisation**?

(1)

b. Which of the following shows a correct word equation for a neutralisation reaction?

- A. Acid + Alkali \longrightarrow Salt + Water
- B. Acid + Alkali \longrightarrow Sugar + Water
- C. Acid + Alkali \longrightarrow Salt
- D. Acid + Alkali \longrightarrow Water

(1)

3. Put the following substances under the correct headings in the table below.

toothpaste

soap

bleach

cola

lemon juice

tea

Acid	Alkali

(2)

4. a. Samantha tested the pH of some substances using pH paper and a colour chart. The results are shown in the table below.

Complete the table.

Substance	pH	Acid/Alkali
Vinegar	4	Acid
Water		Neutral
Baking soda	9	Alkali

(1)

b. Samantha also tested the pH of sugar. What must she have done to the solid sugar before the pH could be measured?

(1)