


Module 11: Acid/Bases, Neutralization, and Redox Reactions

Topic 1 Content: The pH Scale Notes

Introduction

The pH Scale

Introduction



The diagram shows a horizontal row of 14 numbered blocks, each a different color. Below the first seven blocks (1-7) is a green trapezoidal shape labeled 'Acids'. Below the remaining seven blocks (8-14) is a blue trapezoidal shape labeled 'Bases'. The colors of the blocks transition from red (1) to orange (2-3), yellow (4-5), light green (6-7), green (8), cyan (9), light blue (10-11), and purple (12-14).

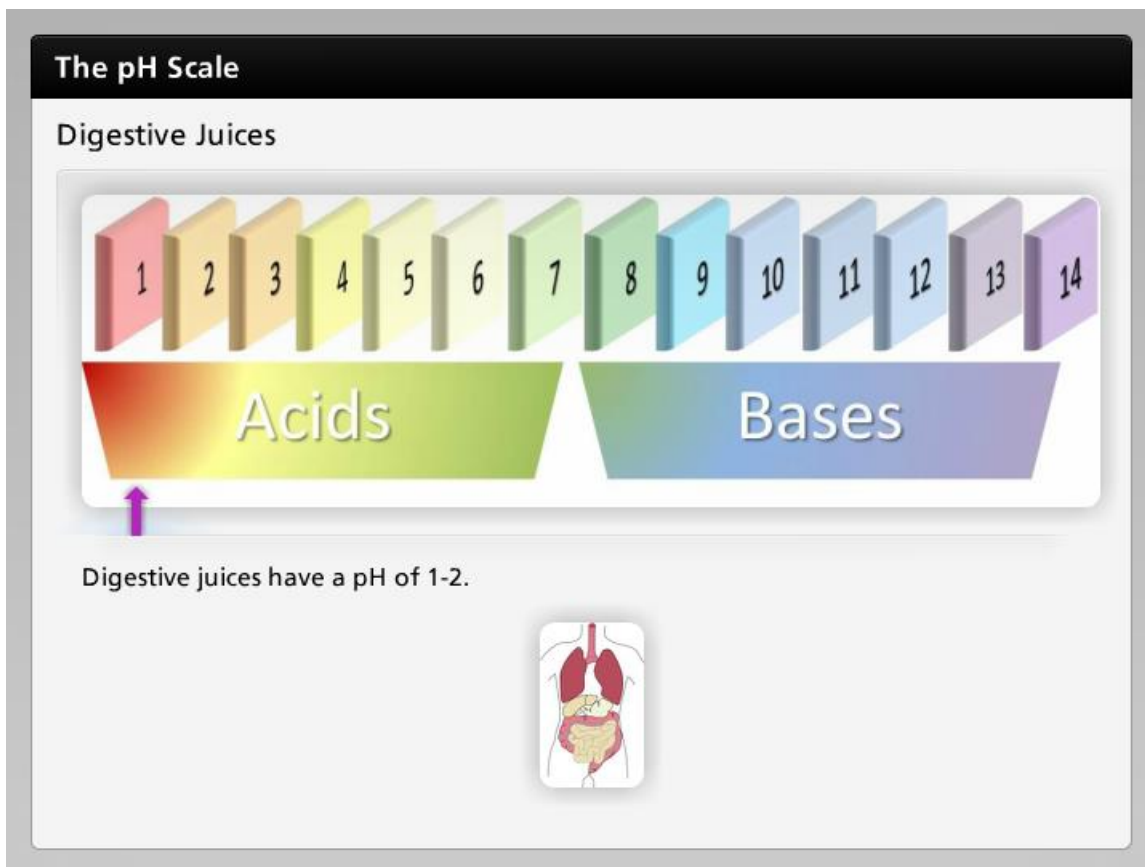
In this activity, view where some common items are located on the pH scale. Click **NEXT** to navigate through the interactivity.

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Digestive Juices

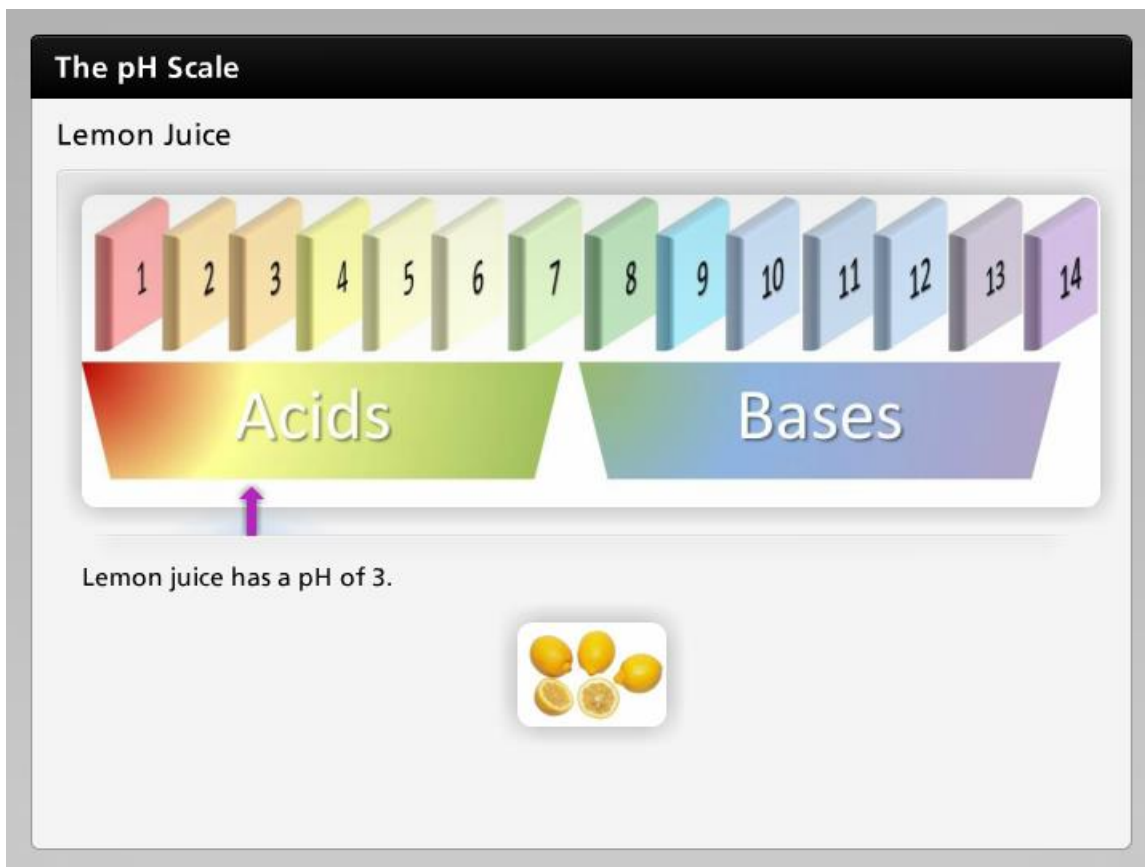


Digestive juices have a pH of 1-2.

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Lemon Juice

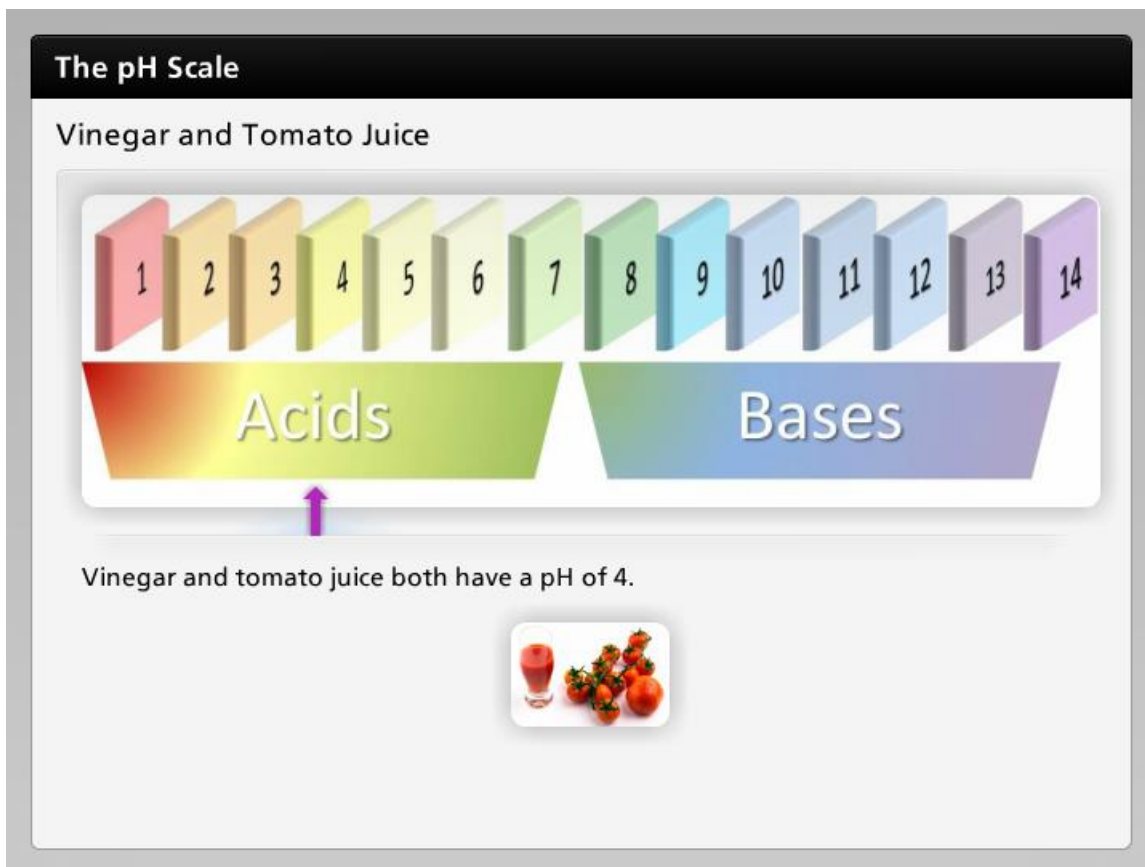


Lemon juice has a pH of 3.

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Vinegar and Tomato Juice

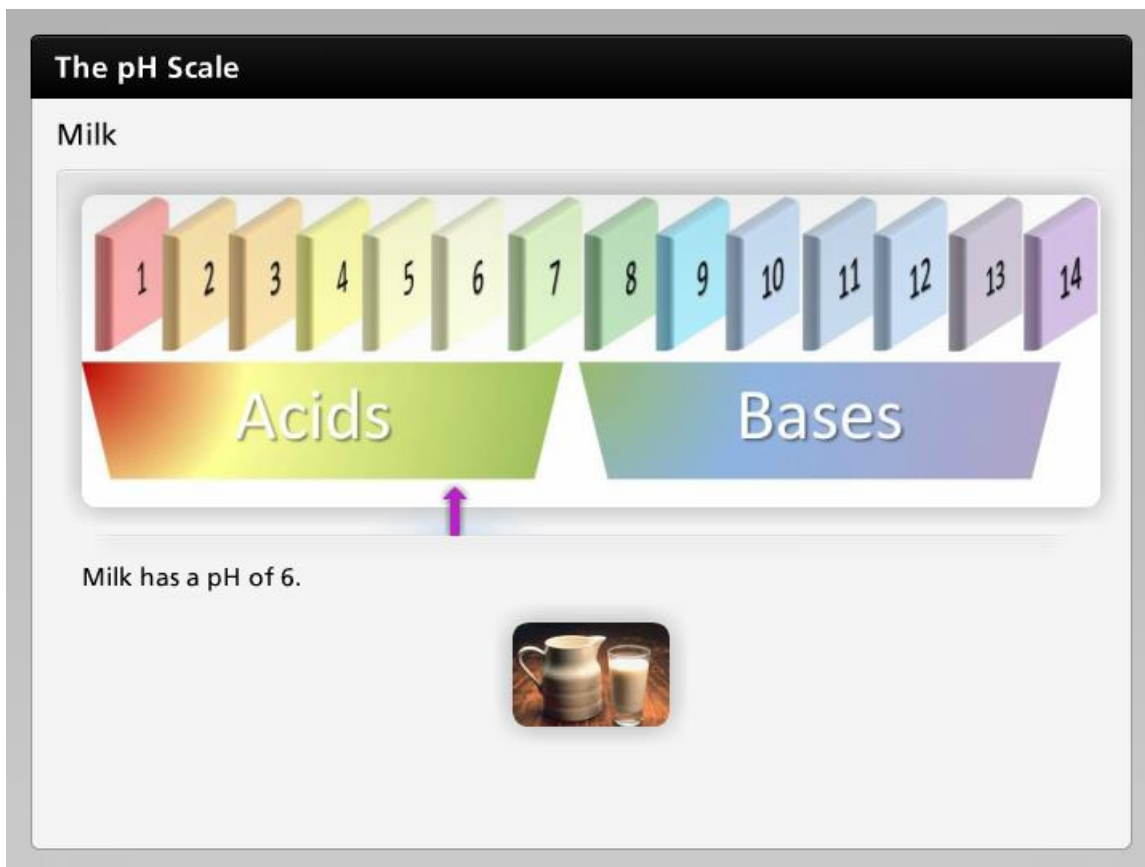


Vinegar and tomato juice both have a pH of 4.

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Milk

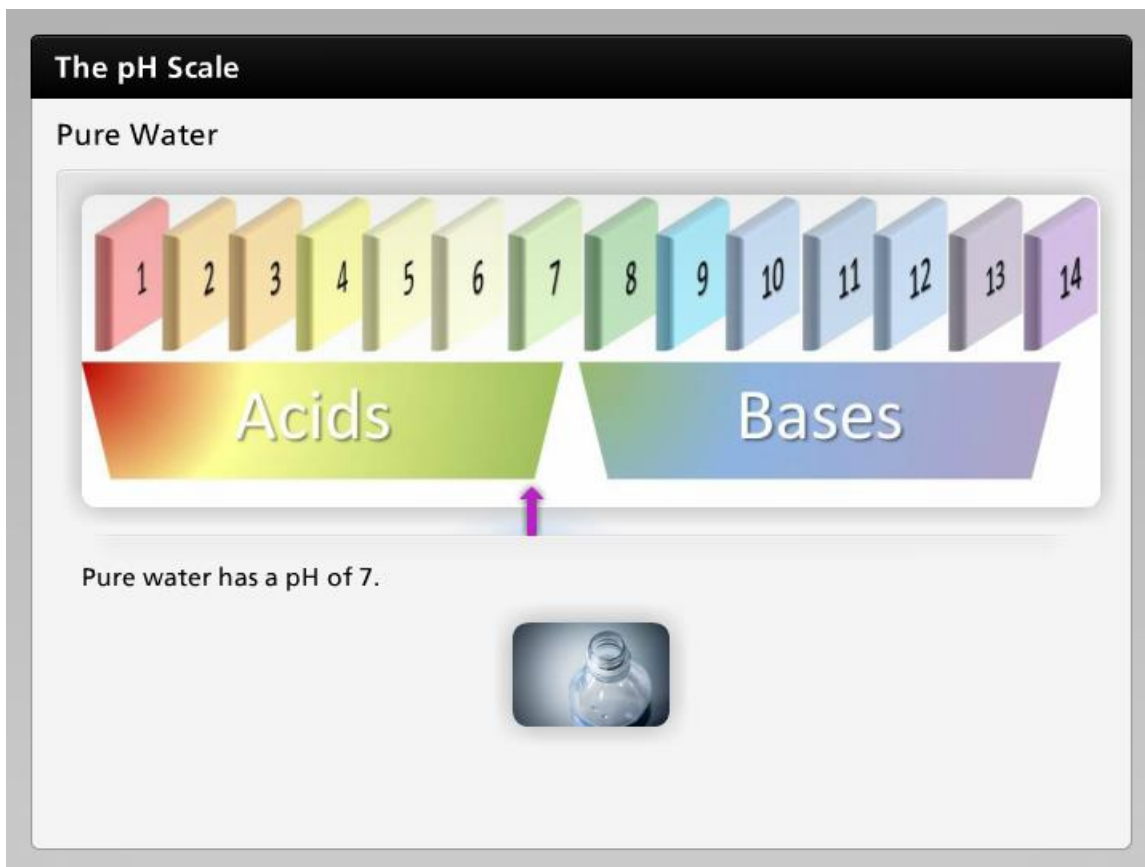


Milk has a pH of 6.

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Pure Water

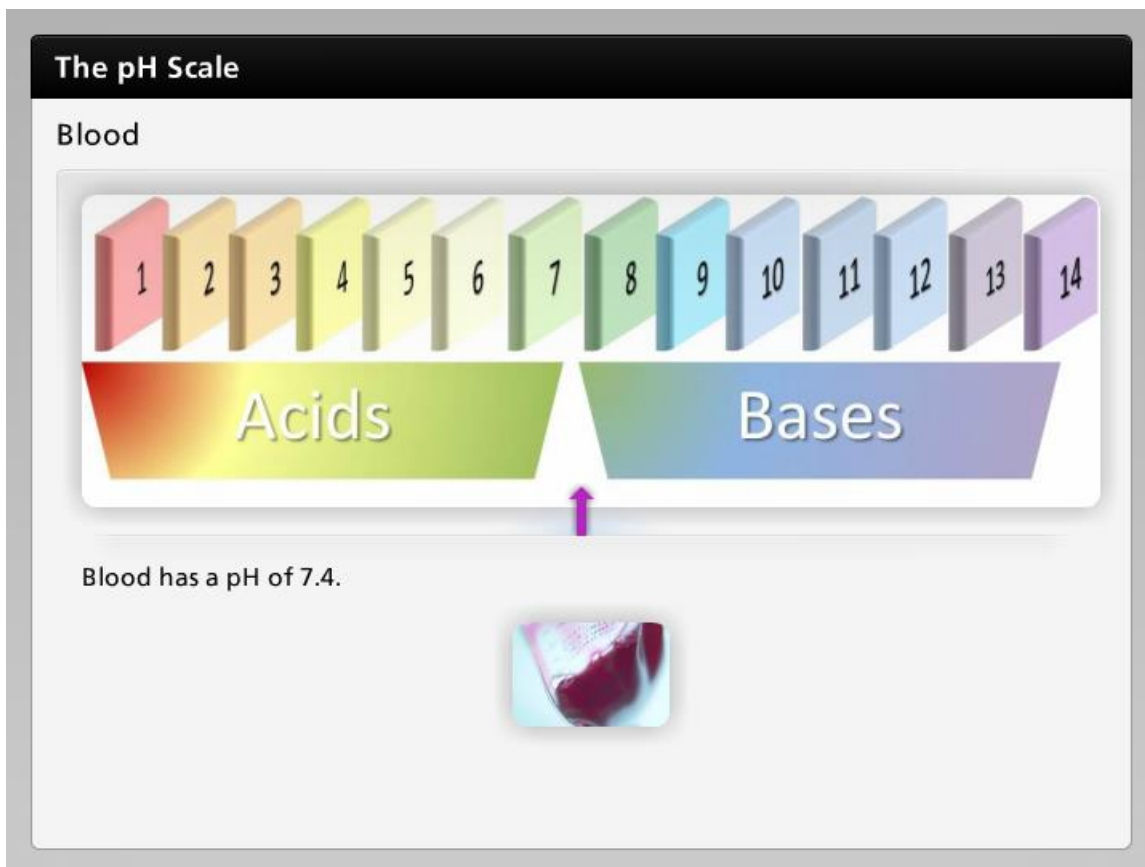


Pure water has a pH of 7.

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Blood

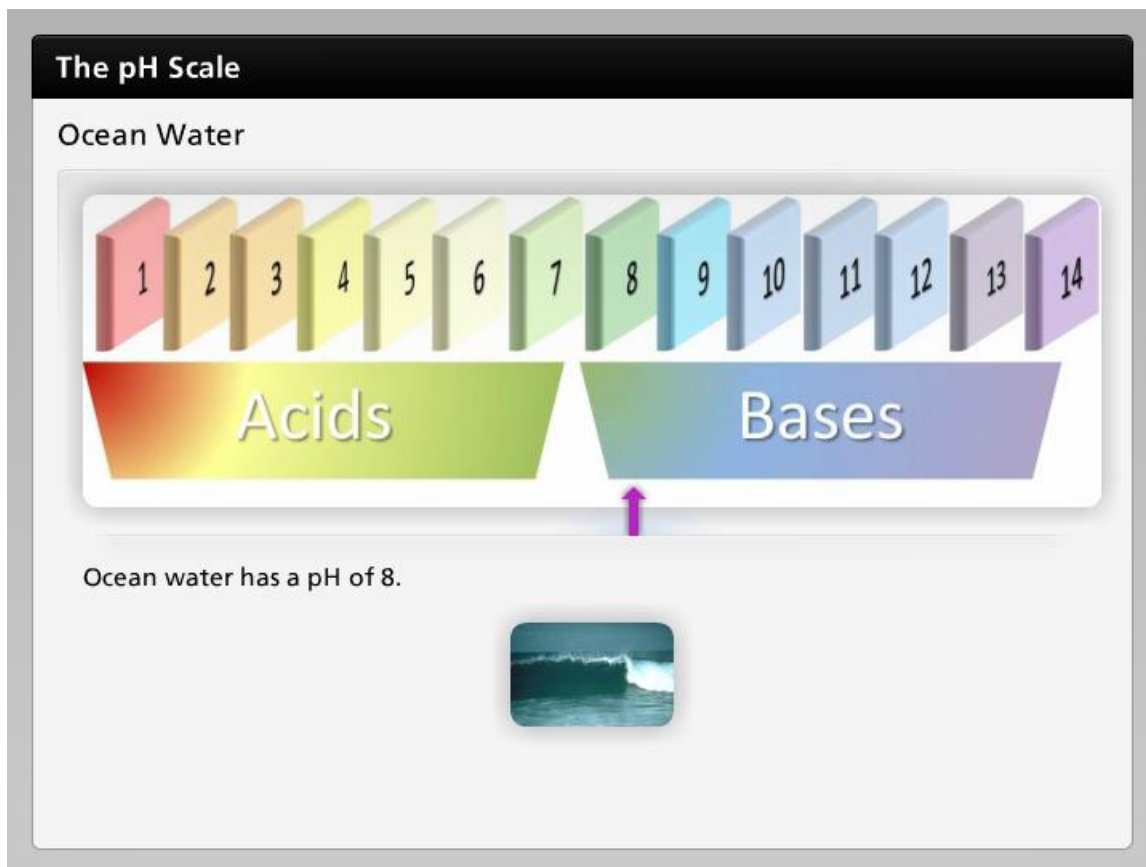


Blood has a pH of 7.4.

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Ocean Water

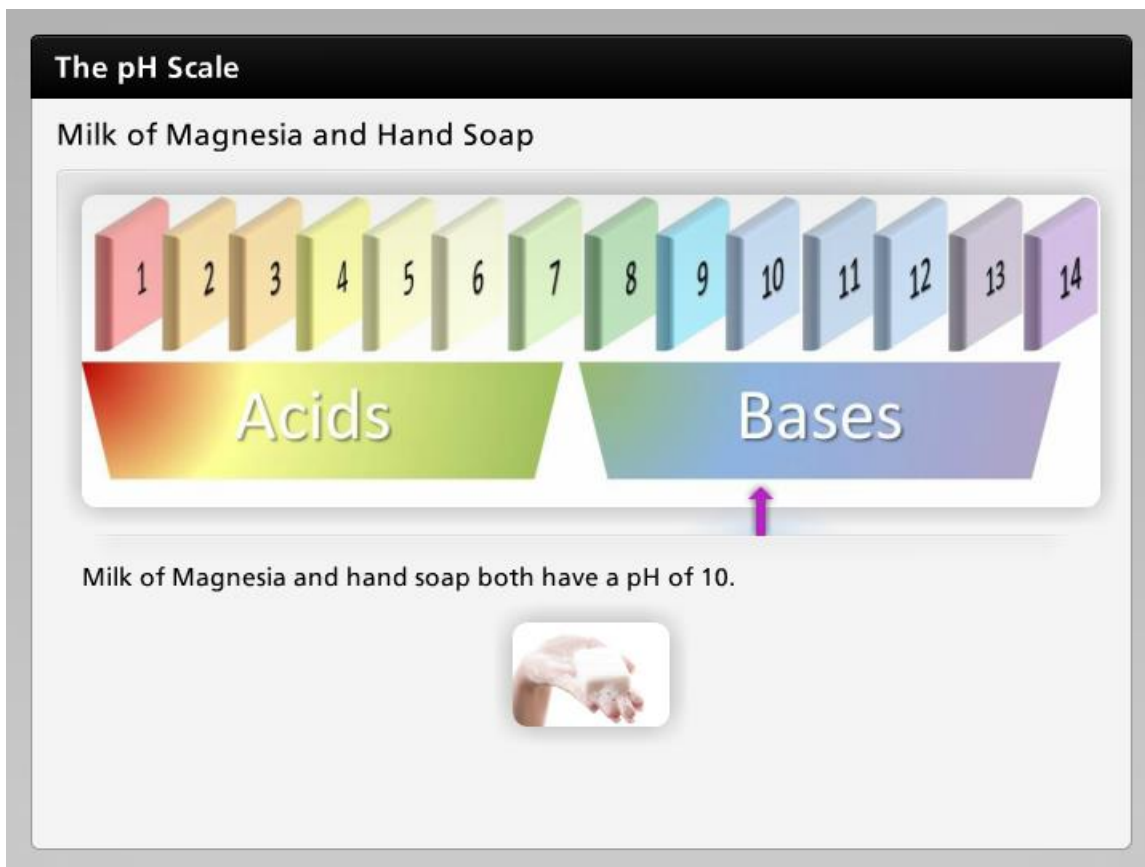


Ocean water has a pH of 8.

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Milk of Magnesia and Hand Soap

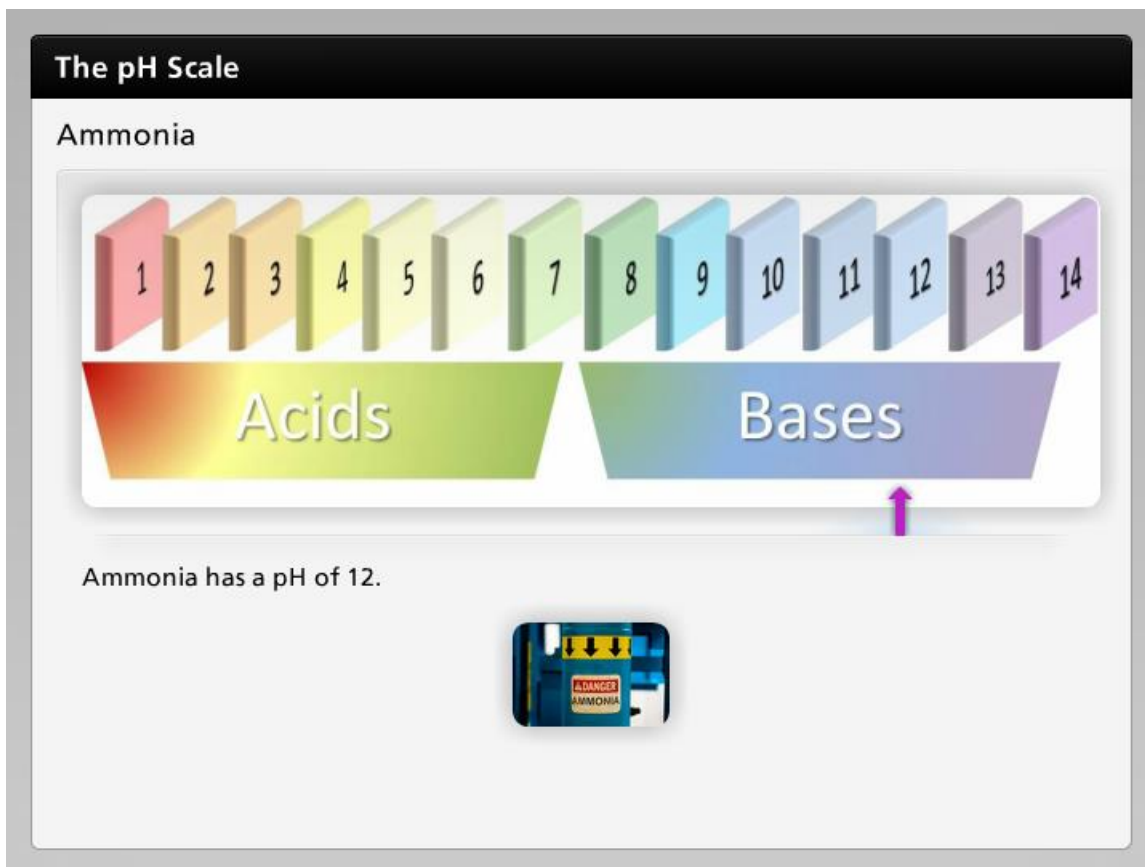


Milk of Magnesia and hand soap both have a pH of 10.

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Ammonia



Ammonia has a pH of 12.