

# Acid And Bases Ph Phet Lab Answers

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[pH Scale - PhET Interactive Simulations](#)

pH; Acids; Bases; Dilution; Description Test the pH of everyday liquids such as coffee, ...

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List the pH and indicate if the solution is acid, basic, or neutral. Solution pH Acidic/basic/neutral  
Battery acid 1.00  
Acidic Vomit 2.00  
Acidic Soda Pop 2.50  
Acidic Orange Juice 3.50  
Acidic Coffee 5.00  
Acidic Chicken Soup 5.80  
Acidic Milk 6.50  
Acidic Water 7  
Neutral Blood 7.40  
Basic Spit 7.40  
Basic Hand Soap 10.00  
Basic Drain cleaner 13.00  
Basic

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A pH range for an acid is from 0-6. 2. What is the pH range for a base? A pH range for a base is from 8 to 14. 3. When is a solution is considered neutral? What pure substance has a pH of 7? A solution is considered neutral when it has a pH of 7. A substance that has a pH of 7 is for example pure water. 4. Ph Simulation-PhET acids and bases.docx - Acid and Base pH ...  
PHET Sim Differences Between Acids and Bases. PHET Sim Differences Between Acids and Bases. Skip navigation ... Using PHET's Acid and Base pH Simulation - Duration: 3:45. Jon McGoey 904 views.

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[pH Scale - pH | Dilution | Concentration - PhET ...](#)  
Given acids or bases at the same concentration, demonstrate understanding of acid and base strength by: 1.Relating the strength of an acid or base to the extent to which it dissociates in water 2.Identifying all of the molecules and ions that are present in a given acid or base solution. 3.Comparing the relative concentrations of molecules and ...

[Discovering Acids and Bases - PhET Contribution](#)  
[Acid And Bases Ph Phet Lab Answers | sexassault.satrib](#) Any pH value below pH 7 is acid. Weak acids will be around pH 6 or pH 5. Strong acids will show pH 1 or pH 2 when tested. Acids will turn pH paper red. Bases how a pH value above pH 7. Weak bases are around pH 8 or pH 9. Strong [PhET Investigation of Acids.pdf - PhET Investigation of ...](#)

Acid and Base pH PhET Name: \_\_\_\_ Introduction: In this simulation, you will observe ions and changes in hydronium (H<sub>3</sub>O<sup>+</sup>) and hydroxide (OH<sup>-</sup>) concentrations in several common substances. The autoionization constant of water (at 25 °C) K<sub>w</sub> is 1 X 10<sup>-14</sup> and is equal to the product of [H<sub>3</sub>O<sup>+</sup>] and [OH<sup>-</sup>]. When the “p” or negative logarithm is applied to each term, the relationship exists ...

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[Using PHET's Acid and Base pH Simulation](#)

Investigate how adding more of a liquid or diluting with water affects pH. Sample Learning Goals Determine if a solution is acidic, basic or neutral; Place acids or bases in order of relative acidity or basicity ; Relate liquid color to pH; Predict how solution volume or dilution with water will affect the pH of acids or bases; Version 1.2.10  
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Investigate how adding more of a liquid or diluting with water affects pH. Sample Learning Goals Determine if a solution is acidic, basic or neutral; Place acids or bases in order of relative acidity or basicity ; Relate liquid color to pH; Predict how solution volume or dilution with water will affect the pH of acids or bases; Version 1.2.11

[Investigating the pH Scale](#)

Test the pH of things like coffee, spit, and soap to determine whether each is acidic, basic, or ...

[Acid-Base Solutions - Acids | Bases | Solutions - PhET ...](#)

[PhET Investigation of Acids & Bases Name: \\_\\_\\_\\_ pH Scale Simulation](#) Directions: 1. Open the pH Scale Simulation a. There are 3 Parts to the Simulation i. Macro ii. Micro iii. My Solution 2. Start with the Micro Option Part I: Pre-Simulation Research Questions 1. Research the following definitions of acids and bases.

[pH Scale: Basics - pH | Acids | Bases - PhET Interactive ...](#)

a quick overview of how to play with and experiment with University of Colorado's PHET simulations for acids and bases and pH.

[pH Scale: Basics - pH | Acids | Bases - PhET Interactive ...](#)

Set solution to a strong acid. Put the pH meter in the solution. Move the slider to each concentration in the table. Record the pH in the table. ...

[PhET Acid Base 1.2.4 Reaction Equation: Reaction Equation: Draw most abundant species: Draw most abundant species: Draw most abundant species: Draw most abundant](#)

[PhET Acid Base.html5](#)

Description. This investigation prompts students to predict, experiment and discover acids and bases using the simulation's virtual pH scale. Students are asked to predict which substances in the simulation are acids and bases, and test their hypotheses by measuring each substance's pH level. Students will compare acids and bases in order to determine characteristics that may deem a substance either an acid or a base.

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[PhET Investigation of Acids & Bases Name: \\_\\_\\_\\_ pH Scale Simulation](#) Directions: 1. Open the pH Scale Simulation a. There are 3 Parts to the Simulation i. Macro ii. Micro iii. My Solution 2. Start with the Micro Option Part I: Pre-Simulation Research Questions 1. Research the following definitions of acids and bases. a.