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PhET Acid Base
simulation

Acid Base pH Phet
Lab 10/8/20PhET
Acid/Base Solutions

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Lab Packet PHET

~~simulation acids~~

~~\u0026 bases lab~~

help Acids, Bases,
and the pH Scale

~~Acid Base Solutions~~

~~phet simulation~~

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~~Walkthrough Phet~~

~~Acids Bases Walk
through PHET Sim~~

~~Differences~~

~~Between Acids and~~

~~Bases Using~~

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PHET's Acid and Base pH Simulation

Introduction to the
Acid-Base Solutions
PHET Simulation
Worksheet

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simulation
experiment GCSE
Chemistry - Acids
and Bases #27
Acids and Bases
and Salts -
Introduction |

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Chemistry | Don't
Memorise The pH
Scale - Explained
Science at Home |
Experimenting with
Acids and Bases -
Grade 10 Acids +
Bases Made Easy!
Part 1 - What the
Heck is an Acid or
Base? - Organic
Chemistry
Calculating pH
& pOH, [H⁺],

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[OH-], Acids

\u0026 Bases

CLEAR \u0026

SIMPLE What Are

Acids \u0026

Bases? | Chemistry

Basics Developing

with PhET: Getting

Started on Windows

States of Matter

PhET Simulation

Chromate

Dichromate Ion

Equilibrium -

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LeChatelier's

Principle Lab Part 2

Gr12 Phet sim acids

and bases ~~Acids pH~~

Phet Simulation

Guide ACID BASE

CHEMISTRY - pH

Scale Tutorial

PhET

SIMULATION-10

science How to use

the PhET pH scale

basics simulation

PhET Simulation pH

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Scale - Mr Pauller

Acids and Bases,
pH and pOH Acid

~~Base Solutions Phet
Lab Walkthrough~~

Acid And Bases Ph
Phet

pH; Acids; Bases;
Dilution;

Description Test
the pH of everyday
liquids such as
coffee, ...

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pH Scale: Basics -
pH | Acids | Bases
- PhET Interactive

...

Given acids or
bases at the same
concentration,
demonstrate
understanding of
acid and base
strength by:

1. Relating the
strength of an acid

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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 ...

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Acid-Base Solutions

- Acids | Bases |
Equilibrium - PhET

...

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

pH Scale - pH |

Read Free Acid And Bases Ph

Dilution |

Concentration -
PhET ...

Acid and Base pH

PhET Name: _____

Introduction: In this
simulation, you will
observe ions and
changes in

hydronium (H_3O^+) and hydroxide
(OH^-)

concentrations in
several common

Read Free Acid And Bases Ph

substances. The autoionization constant of water (at 25 ° C) K_w is 1×10^{-14} and is equal to the product of $[H_3O^+]$ and $[OH^-]$. When the “p” or negative logarithm is applied to each term, the relationship exists ...

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Ph Simulation-PhET
acids and

bases.docx - Acid
and Base pH ...

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

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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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PhET - NAME

PhET pH Scale
Simulation ...

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

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with the Micro

Option Part I: Pre-
Simulation

Research Questions

1. Research the
following definitions
of acids and bases.

PhET Investigation
of Acids.pdf - PhET
Investigation of ...
Description. This
investigation

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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

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level. Students will compare acids and bases in order to determine characteristics that may deem a substance either an acid or a base.

Discovering Acids
and Bases - PhET
Contribution
Investigate how

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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

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solution volume or
dilution with water
will affect the pH of
acids or bases;

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pH Scale: Basics -
pH | Acids | Bases
- PhET Interactive

...

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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 have a pH value above pH 7. Weak bases are around pH 8 or pH 9. Strong

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pH Scale -
PhET Interactive
Simulations

pH Scale -
PhET Interactive
Simulations
PhET Investigation
of Acids & Bases

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Name: Lab 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

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Following definitions
of acids and bases.

a.

Copy of Copy of
PhET Investigation
of Acids &
Bases.docx ...

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

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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

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PhET Acid Base
html5

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

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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.

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of Acids (2).docx -
PhET Investigation
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Given acids or
bases at the same
concentration,

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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

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3. Comparing the
relative

concentrations of
molecules and ...

Acid-Base Solutions
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Solutions - PhET ...

Investigate how
adding more of a
liquid or diluting
with water affects

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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

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acids or bases;
Version 1.2.10

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

Read Free Acid And Bases Ph

acids and bases and
pH.

Answers

Using PHET's Acid
and Base pH
Simulation

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

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will turn pH paper red. Bases how a pH value above pH 7. Weak bases are around pH 8 or pH 9. Strong bases will have a reading of pH 13 or pH 14. Bases will turn pH paper blue. What is an acid?

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Scale Lab

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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