

Name: _____

Date: _____

Student Exploration: pH Analysis

Vocabulary: acid, acidic, alkaline, base, indicator, neutral, pH

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

1. **Acids** are substances that produce hydrogen ions (H^+) when dissolved in water. Lemon juice is an example of an acid.

- A. What does lemon juice taste like? sour, tangy taste
- B. What does it feel like if lemon juice gets in your eye? Sting and burn

2. **Bases** are substances that produce hydroxide ions (OH^-) when dissolved in water. Hand soap is an example of a base.

- A. What does soap feel like? Slippery, smooth
- B. What does soap taste like? Bitter
- C. What does it feel like if soap gets in your eye? Burns

Gizmo Warm-up

The strength of an acid or base is measured on the **pH** scale. The term "pH" is short for "potential of hydrogen." It is a measure of how many excess H^+ ions there are in a solution. The pH scale runs from 0 to 14, with 0 representing the highest concentration of hydrogen ions. **Acidic** substances have a pH below 7, while **alkaline** substances (bases) have a pH above 7. Pure water has a pH of 7 and is considered **neutral**.

The *pH Analysis* Gizmo allows you to find the pH of a variety of liquids. In the Gizmo, check that the **Substance in the tube** is **Ammonia**, and click **Test**. Wait until the animation is finished.



1. **Indicators** change color in acids or bases. What is the color of the pH paper? Dark blue
2. Compare the paper to the **pH color chart**. What is the pH of ammonia? 11
3. Is ammonia acidic or alkaline? Alkaline

Answers For Ph Analysis Gizmo

Arturo Cuomo

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Answers For Ph Analysis Gizmo:

Editor & Publisher ,2003 *Teleconnect* ,1983 **Bulletin - U.S. Coast Guard Academy Alumni Association**
United States Coast Guard Academy. Alumni Association,1992 *InfoWorld* ,1985 **3rd USA-Japan Computer
Conference Proceedings** ,1978 *Determination of PH* Roger Gordon Bates,1964 In portraying the rise and fall in
eighteenth century Ireland and England of Barry Lyndon an adventurer gambler a cad and a romantic idealist Kubrick
departs from Thackeray s picaresque novel in scope and tone The first person narrator of the novel gives way in the film to
the third person who assumes a good deal of the storytelling function adding to the sense of detachment and abstraction
typical of Kubrick The way that this film polarised the critics suggests that it may hold a key to his oeuvre Enervating
pictorialism or a stately meditation upon the trappings of cultural ritual that we call civilisation The painterly tableaux
suggest the otherness of a past era a world as alien as that of 2001 in a way matched by few other period films Ph
Measurement. Specification for Ph Scale British Standards Institute Staff,British Standards Institution,1984-12-31 pH
measurement pH Range statistics Accuracy Grades quality Standard solutions Phthalates Potassium organic compounds

Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **Answers For Ph Analysis Gizmo**

In a global inundated with monitors and the cacophony of fast conversation, the profound power and psychological resonance of verbal beauty often diminish into obscurity, eclipsed by the continuous onslaught of noise and distractions. However, situated within the musical pages of **Answers For Ph Analysis Gizmo**, a captivating perform of literary elegance that impulses with natural emotions, lies an unique journey waiting to be embarked upon. Published by way of a virtuoso wordsmith, this magical opus guides readers on an emotional odyssey, gently revealing the latent possible and profound impact stuck within the complex internet of language. Within the heart-wrenching expanse with this evocative examination, we can embark upon an introspective exploration of the book is key themes, dissect their charming publishing style, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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