Allendale's Got Talent
an organization of science
educators and hip-hop artists
allendalesgt@yahoo.com

Lyrics by Paul Morse
Instrumental by Roy Nicholson
Recorded by Roy Nicholson

Acid & Base Rap Lyrics (extended)

Everyone uses a pH scale
to measure acids and bases in detail.
Below seven are acids without fail;
above seven those bases prevail, they prevail.

The further below seven you go
the more acidic the solution is bro'.
The higher past seven you climb,
the more basic it gets every time.

A pH scale spans from zero to fourteen.
In the middle a seven can be seen.
With a neutral pH that's so serene,
like how you feel when you're wearing your new blue jeans.

Lemons contain acids that make them sour.
They react with metals, now that's power!
Add them to a base, in every case,
a neutral substance you will embrace.

Bases are bitter like unsweetened cocoa,
and they feel slippery like detergent. So
when your stomach starts churning from too much cookie dough,
antacids can make it feel dynamo.

We use litmus paper in school.
It changes color 'cause its a tool.
Litmus turns red in acids as a rule,
and blue in bases. Now ain't that so, so cool!

Everyone uses a pH scale
to measure acids and bases in detail.
Below seven are acids without fail;
above seven those bases prevail, they prevail.

sample

The further below seven you go
the more acidic the solution is bro'.
The higher past seven you climb;
The more basic it gets every time.

Phenolpthalein is used to test,
the pH of substances in our quest.
Acids are clear you may have guessed,
while bases turn pink to manifest, they manifest.

pH paper is used to tell the pH of solutions, in a nutshell.
You get colors red, green or eggshell.
Match them with the colors they parallel.

Now the pH of the substance you test
is next to the color that it expressed.
With its character you now are blessed,
to know if acids or bases you possessed.

Everyone uses a pH scale
to measure acids and bases in detail.
Below seven are acids without fail;
above seven those bases prevail, they prevail.

The further below seven you go
the more acidic the solution is bro'.
The higher past seven you climb;
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Acid & Base Rap Lyrics
Vocabulary Version

Directions: Complete the rap lyrics by filling in the blanks using the vocabulary words below. Each word is followed by the number of times it is used in the lyrics.

Vocabulary words:

acidic 3	eggshell 1	pH paper 1
acids 10	fourteen 1	pH scale 4
antacids 1	green 1	phenolphthalein 1
base(s) 10	litmus 1	pink 1
basic 3	litmus paper 1	red 2
bitter 1	metals 1	seven 13
blue 1	neutral 1	slippery 1
clear 1	neutral pH 1	sour 1
color(s) 3	pH 3	zero 1

Everyone uses a ____ _____ to measure _____ and _____ in detail. Below _____ are _____ without fail; above _____ those _____ prevail, they prevail. The further below _____ you go the more _____ the solution is bro'. The higher past _____ you climb, the more _____ it gets every time.

A _____ _____ spans from _____ to _____. In the middle a _____ can be seen. With a _____ ____ that's so serene, like how you feel when you're wearing your new blue jeans. Lemons contain _____ that make them _____. They react with _____ , now that's power! Add them to a _____ , in every case, a _____ substance you will embrace.

Sample

_____ are _____ like unsweetened cocoa, and they feel _____ like detergent. So when your stomach starts churning from too much cookie dough, _____ can make it feel dynamo. We use _____ _____ in school. It changes color 'cause its a tool. _____ turns _____ in _____ as a rule, and _____ in bases. Now ain't that so, so cool!

Everyone uses a ____ _____ to measure _____ and _____ in detail. Below _____ are _____ without fail; above _____ those _____ prevail, they prevail. The further below _____ you go the more _____ the solution is bro'. The higher past _____ you climb, the more _____ it gets every time.

_____ is used to test, the ____ of substances in our quest. _____ are _____ you may have guessed, while _____ turn _____ to manifest, they manifest.

____ _____ is used to tell the ____ of solutions, in a nutshell. You get _____ _____ , _____ , or _____ . Match them with the _____ they parallel. Now the ____ of the substance you test is next to the _____ that it expressed. With its character you now are blessed, to know if _____ or _____ you possessed.

Everyone uses a ____ _____ to measure _____ and _____ in detail. Below _____ are _____ without fail; above _____ those _____ prevail, they prevail. The further below _____ you go the more _____ the solution is bro'. The higher past _____ you climb, the more _____ it gets every time.

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Acid & Base Rap
Review Questions

1. Why is a neutral pH compared to "how you feel wearing your new blue jeans"?

2. What are two characteristics of acids?

3. What are two characteristics of bases?

4. Can antacids really make you "feel dynamo"?

5. Describe the differences between testing pH with phenolphthalein and testing it with pH paper.

sample