

Name \_\_\_\_\_ HR \_\_\_\_\_ Date \_\_\_\_\_

## BrainPOP Movie – pH

### What Acid is found in your stomach and has a pH of 1?

Unscramble each of the clue words.

Take the letters that appear in  boxes and unscramble them for the final message.

LAST	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
NIO	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
SEBA	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
DYGHONRE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
TAWRE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LAESC	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
DYORYHLX	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
RUEBFSF	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LEANIKLA	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
CIAD	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
TARLEUN	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

   C

Fill in the pH scale. Be sure to label the following parts : #'s 1-14, base, acid, neutral

### pH Scale

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Classify the following as acids (A) , bases (B) or neutral (N):

milk - 6.5 _____	pure water – 7 _____	tomatoes – 4 _____	blood - 7.5 _____
cola drinks – 3 _____	sea water – 8 _____	oven cleaner – 14 _____	detergent – 10 _____

**Circle the stronger pH of each set:**

**pH 1 or pH 4**

**pH 8 or pH 11**

**pH 7 or pH 6.5**

**pH 13.4 or pH 13.7**

**pH 3 or pH 5**

**pH 9 or pH 14**

**pH 10 or pH 12**

**pH 2 or pH 7**

**Complete the following phrases:**

1. H<sup>+</sup> ions are found in \_\_\_\_\_ .
2. OH<sup>-</sup> ions are found in \_\_\_\_\_ .
3. \_\_\_\_\_ is pH neutral.
4. When you combine an acid with a base, there are 3 products formed:  
\_\_\_\_\_, \_\_\_\_\_ & \_\_\_\_\_ .
5. In acids, pH paper turns this color: \_\_\_\_\_ .
6. In bases, pH paper turns this color: \_\_\_\_\_ .
7. Alkaline is another way to say that a solution is \_\_\_\_\_ .
8. What does a buffer do? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
9. What is the pH of your blood? \_\_\_\_\_