



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Which of the following is an example of a **base**?

- A baking soda
- B lemon
- C tomato
- D pure water



2 When a **base** is mixed in water, the **positive hydrogen ions** separate from the \_\_\_\_\_ ions.

- A positive hydrochloride
- B positive hydrogen peroxide
- C negative hydroxide
- D hydrogen



3 **Bases** often have a \_\_\_\_\_ feel.

- A rough
- B slippery
- C hard
- D spongy



4 Which is true of **strong bases**?

- A They are not dangerous in any way.
- B They are very dangerous and can burn your skin.
- C They are always in powder form

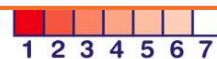


## PREVIEW

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5 **Very low pH** is the presence of \_\_\_\_\_  
A pieces of hydrochloride  
B presence of helium  
C potential of hydrogen  
D hydrogen pieces

6 **Moderate pH** is the presence of \_\_\_\_\_  
A very low pH, 0-4 on the pH scale  
B moderate pH, 5-6 on the pH scale  
C very high pH, 10-14 on the pH scale  
D very low pH, 0-4 on the pH scale

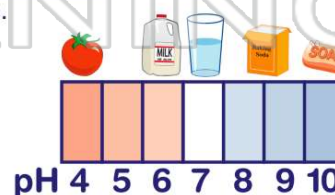


9 A **strong base** has a \_\_\_\_\_  
A neutral pH, 7 on the pH scale  
B very low pH, 0-4 on the pH scale  
C moderate pH, 8-9 on the pH scale  
D very high pH, 10-14 on the pH scale



10 A **neutral solution** is one that has a pH of \_\_\_\_\_. It is not an acid or a base.

- A 7
- B 6
- C 8
- D 0





## ANSWER KEY

Which of the following is an example of a **base**?

- A baking soda
- B lemon
- C tomato
- D pure water



(a)

When a **base** is mixed in water, the **positive hydrogen ions** separate from the \_\_\_\_\_ ions.

- A positive hydrochloride
- B positive hydrogen peroxide
- C negative hydroxide
- D hydrogen



(c)

**Bases** often have a \_\_\_\_\_ feel.

- A rough
- B slippery
- C hard
- D spongy



(b)

Which is true of **strong bases**?

- A They are not dangerous in any way.
- B They are very dangerous and can burn your skin.
- C They are always in powder form.
- D They never come in liquid form.



(b)

V  
A  
E  
C  
E



## PREVIEW

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- A pieces of hydrochloride
- B presence of helium
- C potential of hydrogen
- D hydrogen pieces

- A on the pH scale 1-2-3-4-5-6-7
- B moderate pH, 5-6 on the pH scale
- C very high pH, 10-14 on the pH scale

A **strong base** has a \_\_\_\_\_.

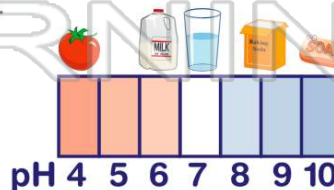
- A neutral pH, 7 on the pH scale
- B very low pH, 0-4 on the pH scale
- C moderate pH, 8-9 on the pH scale
- D very high pH, 10-14 on the pH scale



(d)

A **neutral solution** is one that has a pH of \_\_\_\_\_. It is **not** an acid or a base.

- A 7
- B 6
- C 8
- D 0



(a)