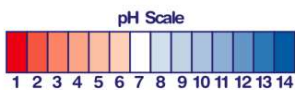




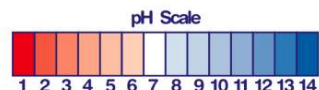
Name _____ Class _____ Date _____

1 Using the **pH scale** shown below, determine the pH of **acid rain**.



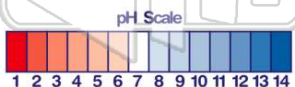
- A between 7 and 14
- B between 1 and 7
- C between 12 and 14
- D 7

2 **Weaker bases** usually have a pH between _____.



- A 1 and 3
- B 4 and 6
- C 12 and 14
- D 7 and 9

3 What is the reason why **water** is considered **neutral** on the pH scale?



- A it acts like both an acid and a base
- B it is a good solute

4 A student wants to neutralize a **base** with a pH of **13**. To do this she should add an **acid** with a pH of _____.

- A 2
- B 6
- C 7



PREVIEW

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7
A only water is produced
B only salt is produced
C the pH goes above 7
D HCl and NaOH lose their chemical properties

- A 8
- B 7
- C 6
- D 5

9 In the reaction below, what is the approximate **pH** of substance #1?



- A 1-6
- B 7-10
- C 10-12
- D 12-14

10 It is possible for **acid rain** to irritate a person's skin.
True or false?

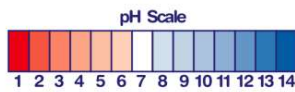
- A true
- B false





ANSWER KEY

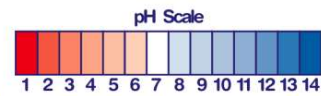
Using the **pH scale** shown below, determine the pH of **acid rain**.



- A between 7 and 14
- B between 1 and 7
- C between 12 and 14
- D 7

(b)

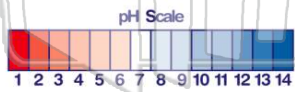
Weaker bases usually have a pH between _____.



- A 1 and 3
- B 4 and 6
- C 12 and 14
- D 7 and 9

(d)

What is the reason why **water** is considered **neutral** on the pH scale?



- A it acts like both an acid and a base
- B it is a good solute
- C it has equal parts of H and OH
- D

(c)

A student wants to neutralize a **base** with a pH of **13**. To do this she should add an **acid** with a pH of _____.

- A 2
- B 6
- C 7
- D 8



(a)



PREVIEW

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- B only salt is produced
- C the pH goes above 7
- D HCl and NaOH lose their chemical properties

- B 7
- C 6
- D 5

In the reaction below, what is the approximate **pH** of substance #1?



- A 1-6
- B 7-10
- C 10-12
- D 12-14

(a)

It is possible for **acid rain** to irritate a person's skin.

True or false?

- A true
- B false



(a)