PRINCE EDWARD ISLAND CHEMISTRY 12 · UNIT C

Acids and Bases — Practice Test

Prince Edward Island Chemistry 12 • 10 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A solution has pOH 4. Its pH at 25 degrees Celsius is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Neutralizing 0.03 moles of acid with 0.1 molar base requires this many litres of base**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A buffer solution resists changes in**

A temperature

B colour

C pH

D volume

Understand It with Pulse | Flag a mistake

4 **pH is defined as the negative logarithm of the**

A base mass

B hydrogen ion concentration

C hydroxide ion concentration

D acid volume

Understand It with Pulse | Flag a mistake

5 **The conjugate acid of a base is formed by**

A gaining water

B gaining a proton

C losing a proton

D losing an electron

Understand It with Pulse | Flag a mistake

6 **The conjugate base of an acid is formed by**

A losing an electron

B gaining water

C losing a proton

D gaining a proton

Understand It with Pulse | Flag a mistake

7 **A solution has pOH 6. Its pH at 25 degrees Celsius is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Neutralizing 0.04 moles of acid with 0.2 molar base requires this many litres of base**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A solution has pOH 9. Its pH at 25 degrees Celsius is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Neutralizing 0.06 moles of acid with 0.3 molar base requires this many litres of base**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	10	**5.**	B	**9.**	5
2.	0.3	**6.**	C	**10.**	0.2
3.	C	**7.**	8		
4.	B	**8.**	0.2		

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