NEWFOUNDLAND AND LABRADOR CHEMISTRY 3202 · UNIT B

Acids and Bases — Practice Test

Newfoundland and Labrador Chemistry 3202 • 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 **The conjugate acid of hydroxide is**

A hydronium

B water

C ammonia

D hydrogen gas

Understand It with Pulse | Flag a mistake

2 **A polyprotic acid can donate**

A only one hydrogen ion

B no hydrogen ions

C more than one hydrogen ion

D only electrons

Understand It with Pulse | Flag a mistake

3 **Blood is kept near pH 7.4 mainly by**

A strong acids

B filtration only

C dilution only

D buffer systems

Understand It with Pulse | Flag a mistake

4 **In an acid base titration, an indicator is chosen so its colour change occurs near the**

A equivalence point

B starting point

C boiling point

D freezing point

Understand It with Pulse | Flag a mistake

5 **Hydrogen ion concentration is 0.00001 moles per litre. The pH value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A solution has pH 10. Its pOH value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A solution has pH 2. Its pOH value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A titration uses 0.20 moles per litre base and 0.025 litres. The moles of base used is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **An acid sample contains 0.040 moles and base concentration is 0.40 moles per litre. The volume of base in litres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Hydroxide concentration is 0.001 moles per litre. Its pOH value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	5	**9.**	0.09999999999999999
2.	C	**6.**	4	**10.**	3
3.	D	**7.**	12		
4.	A	**8.**	0.0050000000000000001		

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