Acids and Bases — Practice Test

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 titration uses 10 millilitres of 0.1 molar acid. The moles in millimoles are**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A solution with pH 8 is basic by how many units above neutral pH 7**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Acetic acid is an example of a**

- A weak acid
- B strong acid
- C strong base
- D neutral salt

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4 **Sodium hydroxide is an example of a**

A weak acid

B strong base

C strong acid

D weak base

Understand It with Pulse | Flag a mistake

5 **A solution with pH less than 7 is**

A basic

B neutral

C acidic

D buffered

Understand It with Pulse | Flag a mistake

6 **A solution with pH greater than 7 is**

A acidic

B neutral

C buffered

D basic

Understand It with Pulse | Flag a mistake

7 **The autoionisation of water produces hydronium and**

A hydroxide

B chloride

C sodium

D carbonate

Understand It with Pulse | Flag a mistake

8 **In a titration the indicator is chosen so its colour change is near the**

- A starting point
- B equivalence point
- C end of heating
- D first drop

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9 **Diluting an acid by a factor of 10 increases its pH by**

- A ten units
- B zero units
- C one unit
- D two units

Understand It with Pulse | Flag a mistake

10 **The graph shows pH rising slowly then sharply. The sharp rise marks the**

A starting point

B buffer region

C dilution point

D equivalence point

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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