

Worksheet: PH Indicators



Q1: Fill in the blanks: Litmus is a mixture of dyes extracted from lichen. It can be used to detect if solutions are acidic or basic. It is ___ in acidic solutions and ___ in basic solutions.

- A blue, red
- B pink, colorless
- C colorless, pink
- D red, blue
- E green, blue

Q2: What is the key feature of a chemical that makes it useful as a pH indicator?

- A Solubility in water
- B Cheapness
- C Low reactivity
- D Low molar mass
- E Color changes with varying pH



Question Video

Q3: Fill in the blanks: Methyl orange is a useful indicator, particularly for titrations against acids. It is ___ in strongly acidic solutions and ___ in basic solutions.

A pink, colorless

B yellow, red

C red, yellow

D yellow, blue

E red, blue