



Unit III: Heterocyclic Compounds (Five-membered with one heteroatom)

Puzzle Type: MCQ Word Search

Find the answers to the MCQs in the word search grid. The answers will be single words.

MCQs:

1. Which of these is a five-membered heterocyclic compound containing a nitrogen atom? a) Pyridine b) Pyrrole c) Furan d) Thiophene
2. Which heteroatom is present in Furan? a) Nitrogen b) Sulfur c) Oxygen d) Selenium
3. This five-membered heterocycle contains a sulfur atom. a) Pyrrole b) Furan c) Thiophene d) Imidazole
4. The property that makes pyrrole, furan, and thiophene unusually stable. a) Basicity b) Acidity c) Aromaticity d) Reactivity
5. These compounds typically undergo what type of substitution reaction? a) Nucleophilic b) Electrophilic c) Free radical d) Elimination

Word Search Grid:

P Y R R O L E

F U R A N B M

T H I O P H E

E A R O M A I

E L E C T R O

O X Y G E N P

Answers to MCQs: 1. PYRROLE, 2. OXYGEN, 3. THIOPHENE, 4. AROMATICITY, 5. ELECTROPHILIC

Word Search Solution:

P Y R R O L E

F U R A N B M

T H I O P H E

E A R O M A I

E L E C T R O

O X Y G E N P