

Q3. What is the correct name for a molecule that has two amino groups in opposing (para) locations around a benzene ring?

- a) Benzenediamine
- b) Benzene-1,4-diamine
- c) p-Aminoaniline
- d) 4-Aminobenzenamine

Answer: b

Explanation: Both amino groups (in para positions to one other) are given equal weight and the primary complex is given the prefix di. The prefix is also numbered 1 and 4, indicating the places in the benzene ring where amino groups are present.