

Q6. The aromatic primary amine with the formula C_7H_9N has an incorrect name.

- a) Phenylaminomethane
- b) Benzylamine
- c) Benzenamine
- d) Phenylmethanamine

Answer: c

Explanation: The phenyl group C_6H_5 must be present with CH_4N because it is an aromatic molecule. Because it's a primary amine, the NH_2 group can be separated, leaving CH_2 . The compound's formula is $C_6H_5CH_2NH_2$, which stands for benzylamine. $C_6H_5NH_2$ is the formula for benzenamine.