

30 Nitration and Friedel-Crafts — Part 2

— Answers

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Work through these after trying the questions yourself.

30.6 NO_2^+ .

30.7 Nitrobenzene.

30.8 An alkyl group.

30.9 An acyl group.

30.10 AlCl_3 (aluminium chloride).

30.11 The AlCl_3 pulls a chloride ion off the acyl chloride, creating a positively charged acylium cation — the electrophile that attacks the ring. The chloride is later returned, so the AlCl_3 is regenerated (acting as a catalyst).