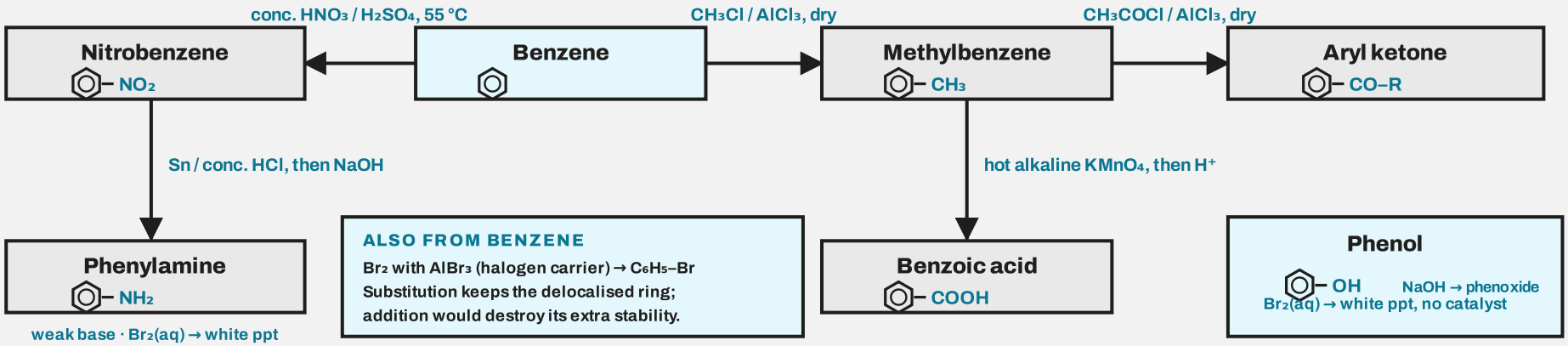
9701 CHEMISTRY · TOPICS 28–35 · A LEVEL ONLY

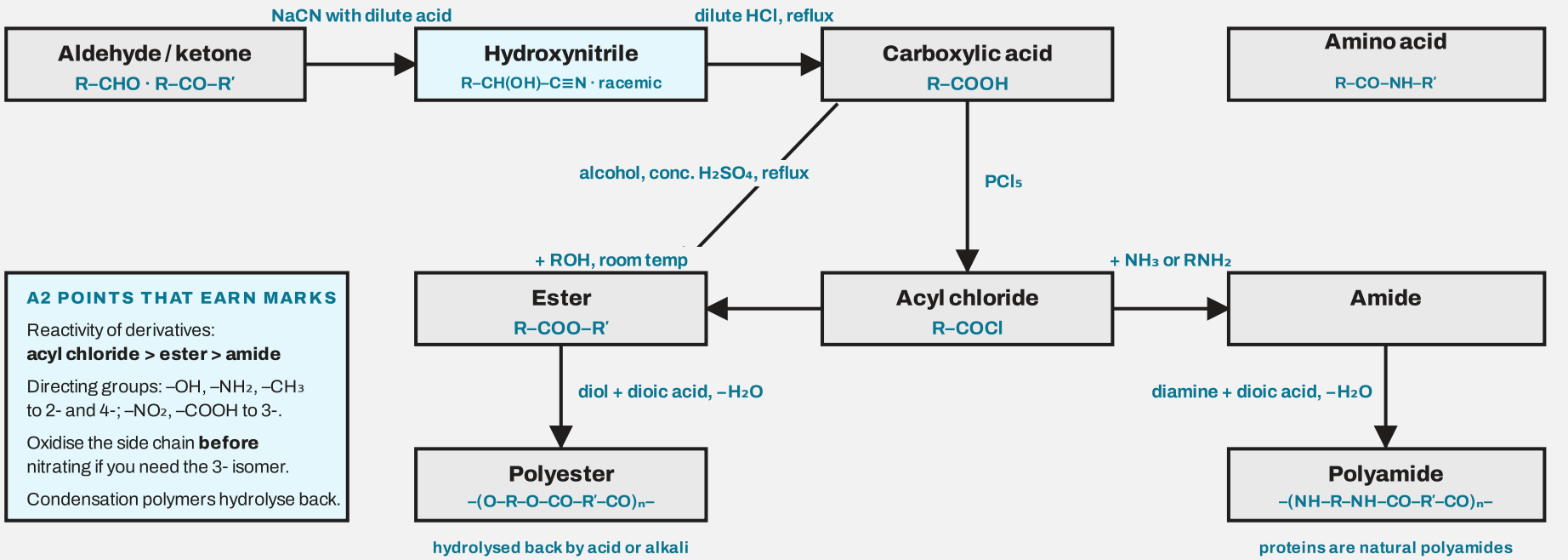
A2 Organic Synthesis — Reaction Web

ARENES · DERIVATIVES
NITROGEN · POLYMERS

AROMATIC



ALIPHATIC



A2 POINTS THAT EARN MARKS

Reactivity of derivatives:
acyl chloride > ester > amide

Directing groups: –OH, –NH_2, –CH_3 to 2- and 4-; –NO_2, –COOH to 3-.

Oxidise the side chain **before** nitrating if you need the 3- isomer.

Condensation polymers hydrolyse back.