A2 PRACTICAL 11

Preparation of cyclohexene (Technician)

You need to carry out a risk assessment before doing this practical

Apparatus & chemicals	*Whole class:* • cyclohexanol (each student/pair needs 15 cm^3) with 25 ml measuring cylinders • concentrated phosphoric acid (each student/pair needs 8 cm^3) with 10 ml measuring cylinders & teat pipettes • bromine water (0.002 mol dm^{-3}) • calcium chloride solid (with spatulas) • sodium carbonate solutions (1.0 mol dm^{-3}) acid (each student/pair needs up to 10 cm^3) • anti-bumping granules • grease for glass joints • jointed glass clips of suitable size • balance (at least 0.01 g resolution)	*Each student/pair needs:* • 2 stands, clamps, bosses • jointed glassware: • pear-shaped / round-bottomed flask • distillation head • thermometer (up to about 150°C) in jointed holder • condenser with rubber tubes • receiver adapter • boiling tube • separating funnel • small conical flask with stopper • 250 ml beaker • teat pipette • test tube • test tube holder
Notes	• Each student needs a sprinkle of anti-bumping granules in their flask. If the joint is to be greased, add the anti-bumping granules before greasing (as they stick on the grease otherwise) • This experiment may be run over two sessions, with a natural break coming after the drying agent has been added.	