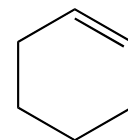
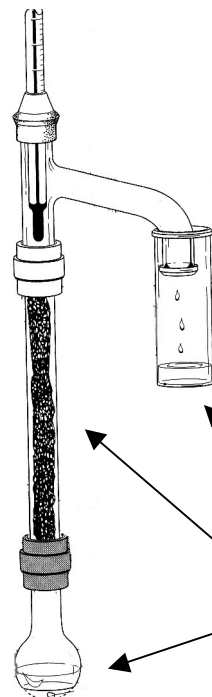


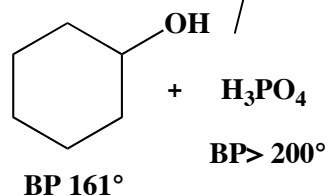
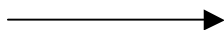
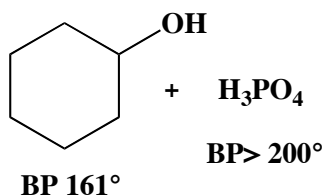
Heat



BP 83°

+ H₂O

+ impurities



Cyclohexanol plus
Phosphoric Acid
are heated

As the reaction proceeds, cyclohexanol is being converted to cyclohexene and water (plus some impurities). The low-boiling cyclohexene and water boil at the high temperatures and distill up the column and into the collection vial. As with all distillations though some is left behind in the flask and in the column.