

# TODAY IN CHEMISTRY HISTORY

28<sup>TH</sup> JUNE – EMIL ERLLENMEYER'S BIRTHDAY



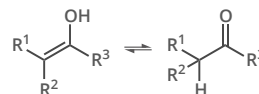
EMIL ERLLENMEYER

BORN

28 June 1825

DIED

22 January 1909



The first to isolate several organic compounds, and invented the Erlenmeyer (or conical) flask. He was also the first to suggest double and triple bonds could form between carbon atoms.

## CYLINDRICAL NECK

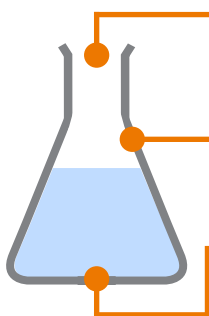
Can be stoppered using a rubber bung or glass stopper.

## CONICAL BODY

Allows contents to be swirled without spills.

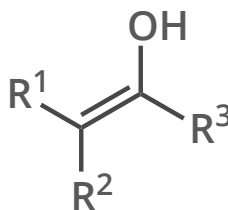
## FLAT BOTTOM

Doesn't tip over, unlike round-bottomed flasks.

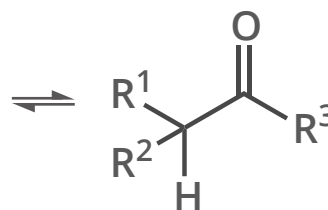


## THE ERLLENMEYER FLASK

Erlenmeyer created the flask that takes his name in the late 1850s. It's also known as a conical flask and is now a mainstay of the science laboratory.



ENOL FORM



KETO FORM

R groups represent variable portions of the molecule

## THE ERLLENMEYER RULE

Erlenmeyer investigated keto-enol tautomerism. His rule states that all alcohols with an OH group attached to a double-bonded carbon become aldehydes or ketones, as these are more stable.



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