

Curiosity: A Transition Is Not the Same as a Ratio

Curiosity Reading | CheAI Research Inc.

A titration can turn a gradual chemical change into a readable volume record. The balanced equation defines a stoichiometric equivalence model; an indicator or instrument provides an observed endpoint. Good measurement design tries to make them close, but calling them identical hides useful uncertainty.

Data cards can teach that distinction safely: students can calculate mole relationships, compare a curve, and discuss precision without handling corrosive solutions.