Chemistry Formula Sheet

Chapter by chapter, topic by topic. Written by the PadhoNa team for quick revision.

Unlock the full PadhoNa Test Series
Every chapter-wise JEE Main test on the real exam screen, with full solutions and automatic analysis. Plans from ₹99 a month.
padhona.com/go/test-series →

CHAPTER 20

Surface Chemistry

Adsorption

FREUNDLICH

$$\frac{x}{m} = kp^{1/n}\ (n > 1), \qquad \log\frac{x}{m} = \log k + \frac{1}{n}\log p$$

physisorption: weak, reversible, multilayer; chemisorption: strong, specific, monolayer

Catalysis

a catalyst changes the path (lower E_a), not ΔH or K

Colloids

HARDY–SCHULZE RULE

coagulating power rises with the charge of the opposite ion: $Al^{3+} > Ba^{2+} > Na^{+}$

gold number: smaller means a better protective colloid

Unlock the full PadhoNa Test Series
Every chapter-wise JEE Main test on the real exam screen, with full solutions and automatic analysis. Plans from ₹99 a month.
padhona.com/go/test-series →

Keep going with PadhoNa

Unlock the full PadhoNa Test Series

Every chapter-wise JEE Main test on the real exam screen, with full solutions and automatic analysis. Plans from ₹99 a month.

padhona.com/go/test-series →

PadhoNa Pro Chemistry notes

Complete, exam-focused Chemistry notes by the PadhoNa team: ₹99 for a year.

padhona.com/go/notes/chemistry →

Physics, Chemistry and Maths notes together

PadhoNa Pro · JEE: all three subjects for ₹249 a year, for JEE Main and Advanced.

padhona.com/go/pro →

© PadhoNa · padhona.com · This sheet is for personal study.