



GENERAL CONCEPTS NOTEBOOK — Day 3 Update

(Mixed important facts from all subjects)

Physics Concepts

- Electric field lines never cross because field cannot have two directions at a point
- Electric flux measures field passing normally through an area

Chemistry Concepts

- FCC has highest packing efficiency (74%)
- Coordination number directly determines how tightly packed solids are

Maths Concepts

- Equivalence relations create partitions (groups of similar elements)
- Functions represent deterministic relationships: one input \rightarrow one output