



# GENERAL CONCEPTS NOTEBOOK — Day 5

(Memory + Logic + Problem-Solving Rules)

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## 1. How to Approach Any Problem (Physics/Chem/Math)

1. Identify known/unknown
  2. Translate words → equation
  3. Apply correct formula
  4. Check units
  5. Sanity check (Is answer too large/small?)
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## 2. Mistakes to Avoid (Today's topics)

- ✓ Mixing mass with moles in chemistry
  - ✓ Forgetting to convert minutes ↔ seconds in physics
  - ✓ Wrong sign in relative velocity
  - ✓ Not factorising fully in inequalities
  - ✓ Forgetting domain/range conditions
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## 3. Mini-Memory Boost Methods

- 10-min quick revision rule
- Write formula once in your own style
- Use small 1-line summaries
- Practice 5 similar problems back-to-back