Suggest

Marks
1-2 marks

Useful sentence starters

- "One possible reason is…"
- "This could be because…"
- "A possible improvement would be…"
- "This would reduce…"
- "This would increase the reliability/accuracy…"

Suggest questions in Physics often include:

- **A new or unfamiliar situation**
- **A diagram, table, graph, or short description**
- **Partial information, with something missing**
- **Contexts involving:**
  - Experiments or investigations
  - Energy, electricity, forces, or waves
  - Safety, efficiency, or reliability

You are not expected to have been taught the answer; you apply what you know to come up with an answer.

What you need to do

- Propose a plausible physics-based idea
- Base it on GCSE physics principles
- Use the information given, then think about:
  - What variable is not controlled
  - What could improve accuracy, reliability, or safety
  - What physical reason could explain what is observed
- Keep the answer realistic and scientifically sensible

Tips for full marks

- Your suggestion must be physically reasonable
- Do not repeat a point given in the question
- Think about: Variables (distance, time, current, temperature), energy transfers, measurement accuracy and uncertainty, safety.
- There may be more than one correct answer
- An educated guess is expected

You do NOT need to

- Recall a memorised fact
- Write a long explanation
- Use advanced physics beyond GCSE
- Be certain your answer is the only one possible

Common Physics Focuses:

Suggest questions in Physics often involve:

- Improving experimental methods (controls, repeats, accuracy)
- Explaining anomalies or trends in data
- Suggesting safety measures
- Improving efficiency or reducing energy loss

Strong suggestions usually focus on:

- Control variables (distance, current, temperature)
- Repeating readings and calculating means
- Reducing friction, heat loss, or resistance
- Improving measurement methods (using appropriate instruments)

Common mistakes

- Repeating the question
- Giving an idea with no physics link
- Being vague (e.g. "make it better")
- Suggesting something unsafe or impossible