



Using this Log Book

The log book in this form is **only advisory** but students should try to document the following:

- Date and time for each handling of the crystal procedure
- Describe exactly what they did on each occasion (should include measurements of volume and temperature made at any time)
- What has happened to the selected crystal on each viewing (changes)
- Description of the crystal characteristics – clarity, regularity (smooth faces, sharp edges), and size (can be assisted by sketches or digital photos)
- What problems were encountered and how they were solved – may include summaries of discussions with teachers/mentors
- Acknowledgment of manual assistance by others e.g. for competitors from the R-2, 3-4 age groups, what teachers or parents did.
- Acknowledgement of any crystal growing advice from books or websites.
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Please note: the use of this version of a log book is **not mandatory**. There will be no penalty for not using it.

However, the student(s) who are preparing a crystal will need to provide evidence of their ongoing efforts by comments related to the criteria suggested in this log book model.

The competition instructions suggest that the crystal growers formulate an hypothesis that they can test while growing the crystal(s)

Examples of questions that could be expressed as a prediction or hypothesis are:

- Can my crystal grow to the required 9 mm in 3 weeks?
- Does leaving my crystal in a dark place help it to grow better?
- Does more or less attention help my crystal to be clearer and more well-formed?
- Does an incubator help grow bigger crystals in a given time period?



Log Book

Student(s) Name(s)

Year Level

School



Date/Time	Descriptions of what the student(s) did, problems encountered and solved	Crystal characteristics	Signed



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Conclusions

Acknowledgement of Help/Resources