

*Science thrives on debate and discussion.  
cf Research Group Meeting.  
These are questions to keep discussion going.*

**Learning Strategies**  
**Useful Question Stems**  
(Connections to Bloom's Taxonomy)

**Comprehension**

- Explain why ...? (*Comprehension*)
- Can you explain how you arrived at your solution to ...? (*Compreh./Appl./Synthesis*)
- What general strategies might be used to solve this problem ...? (*Compreh./Synthesis*)

**Predictions/Extensions**

- How would you use ... to ...? (*Application*)
- What is a new example of ...? (*Application/Synthesis*)
- What you think would happen if ...? (*Application*)
- How might ... be tested? (*Application/Synthesis/Evaluation*)

**Comparative Analysis**

- What is the difference between ... and ...? (*Comprehension/Analysis*)
- How are ... and ... similar? (*Comprehension/Analysis*)
- How does ... affect ...? (*Analysis/Synthesis*)
- How is ... related to ... that we studied earlier? (*Synthesis/Evaluation*)

**Critical Analysis/Epistemology**

- What conclusions can you draw about ...? (*Evaluation*)
- What are the key concepts behind this problem? (*Evaluation*)
- In your opinion, which is best, ... or ...? (*Evaluation*)
- What are the strengths and weaknesses of ...? (*Evaluation*)
- Do you agree or disagree with ...? Support your answer. (*Evaluation*)
- Are there other solutions to ...? (*Evaluation*)

**Note:** *No knowledge connections!*

Adapted from: King, A., *Amer. Educ. Res. J.* **1990**, 27, 664-687.