

QC2E Verbal Prompts

- What assumptions can you make about the observation?
- What is the basis for your claim (or inference)?
- What evidence did you collect that supports your claim, your idea, or your hypothesis?
- Why do you think this is so?
- What do you mean by . . . ?
- Does the evidence support or refute your claim?
- Are the data biased? Are the data reliable?
- How would you interpret the data and evidence?
- What is the relationship between the independent and dependent variables?
- What do the data say or imply?
- What conclusions can you draw from the evidence?
- How does the evidence support or refute your claim?
- How is one variable dependent upon another?
- What explanation can you propose from the evidence collected?
- How do the results support what you expected?
- How do the results support what you already knew about the phenomenon?
- Can you develop an explanation from the results?
- Can you construct a model to support your explanation?
- Were your original assumptions about the question correct?
- How will you defend your findings?

Llewellyn, D., & Rajesh, H. (2011). Fostering argumentation skills: Doing what real scientists really do. Science Scope, 35(1), 22–28.