# 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 & Rajesh, 2011, p.26)

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