

Interactive Poster Session

Once your group has completed your work, prepare a whiteboard (Figure 1) that you can use to share and justify your ideas.

Goal of your Investigation What were you trying to do?	Group Member's Names
Your Claim What is your answer to the guiding question?	
Your Evidence and Reasoning How can you be sure?	

Figure 1: The components of the poster

As you critique the work of others, you have to decide if their conclusions are valid or acceptable based on the quality of their explanation and how well they are able to support their ideas. In other words, you need to determine if their argument is *persuasive and convincing*. To do this, ask the following questions.

- Did they use *genuine evidence* and did they use *enough evidence* to support their ideas?
 - Is their data organized in a way that shows a trend over time, a relationship between variables, or a difference between groups?
 - Did they use more than one piece of evidence?
 - Are all of their ideas supported by evidence?
- Is their evidence of *high quality*? In other words, is their evidence valid?
 - Did they use appropriate methods to gather the data?
 - Did they attempt to reduce error in their measurements or observations?
- Does their explanation *fit with all their evidence*?
- Is their explanation *sufficient* and *coherent*?
 - Does it explain everything required?
 - Is it free from contradictions?
- Is their rationale *sufficient* and *appropriate*?

- Did they explain why the evidence was used *and* why it supports the explanation?
- Is their reasoning rational and sound?
- How well does their explanation *fit with other theories and laws* to explain or describe how the world works?

Once the Round-Robin poster-session is complete, the *President* of the session will lead a discussion in an effort to synthesize all the various perspectives into one “class” explanation that is the most valid or the best explanation.