3.13: Inquiry in Tutorial

Costa's Levels of Thinking and Questioning: **Science**

LEVEL 1	LEVEL 2	LEVEL 3
• What information is provided? • What are you being asked to find? • What formula would you use in this problem? • What does _____ mean? • What is the formula for . . . ? • List the . . . • Name the . . . • Where did . . . ? • What is . . . ? • When did . . . ? • Describe in your own words what _____ means. • What science concepts does this problem connect to? • Draw a diagram of . . . • Illustrate how _____ works.	• What additional information is needed to solve this problem? • Can you see other relationships that will help you find this information? • How can you put your data in graphic form? • How would you change your procedures to get better results? • What method would you use to . . . ? • Compare and contrast _____ to _____. • Which errors most affected your results? • What were some sources of variability? • How do your conclusions support your hypothesis? • What prior research/formulas support your conclusions? • How else could you account for . . . ? • Explain the concept of . . . • Give me an example of . . .	• Design a lab to show . . . • Predict what will happen to _____ as _____ is changed. • Using a science principle, how can we find . . . • Describe the events that might occur if . . . • Design a scenario for . . . • Pretend you are . . . • What would the world be like if . . . ? • What would happen to ___ if _____ (variable) were increased/decreased? • How would repeated trials affect your data? • What significance is this experiment to the subject you're learning? • What type of evidence is most compelling to you? • Do you feel _____ experiment is ethical? • Are your results biased?