

## Costa's Levels of Questioning: Science

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