PLTW Biomedical Science

Activity 1.3.3: Was It a Crime?

Introduction

In this activity you will put together all of the evidence that you have collected and analyzed regarding Anna's mysterious death. You will draw conclusions about the manner of death (natural, accident or homicide). You will create a report detailing all of the evidence and draw conclusions as to the method of death.

Equipment

- Computer with Internet access
- Laboratory journal
- PBS Course File
- Unit 1 Investigative Notes Resource Sheet

Procedure

- 1. Prepare a formal case report detailing all of the evidence analyzed in the case of Anna Garcia. Refer to your Unit 1- Investigative Notes Resource Sheet and the classroom evidence board for information. This typed report should be written using terminology that you understand and should include the following headings:
 - o Introduction: Provide a brief case description and time line.
 - Evidence Analysis: Provide evidence and support for your findings for each piece of evidence you analyzed – fingerprints, blood type, shoeprint, hair, unknown substance, blood spatter, and DNA analysis. Discuss any inconsistencies in the data and address the limitations of these methods in reconstructing what happened at the scene.
 - Conclusion: Sum up the case findings and describe your conclusions as to the manner of death (natural, accident, or homicide) of Anna Garcia.
 NOTE: Think about your analysis as a whole and describe how combined data led you to a conclusion.
 - Inconsistencies/Next Steps: What questions still need to be answered and how will we go about answering them?
- 2. Turn in your report to your teacher. Note that once your teacher returns your case report, you should file this document in the appropriate tab of your course file. Use the PBS Course File Table of Contents as a guide.

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	1	2	3	4
Introduction	wrote something	provided 1 piece of information about Anna and the scene	Provided 2-4 pieces of information about Anna and the scene	provided 5+ pieces of information about Anna and the scene
Evidence Analysis	less than three pertinent pieces of evidence were described and some were not analyzed accurately	three to six pertinent pieces of evidence were described and were analyzed accurately	seven pertinent pieces of evidence were described but some were not analyzed accurately	seven pertinent pieces of evidence were described and analyzed accurately
Conclusion	Wrote out manner of death	Described manner of death, and provided supported information from 1 of the 3 given reports (autopsy report, person of interest report, 1.1.1 a mysterious death)	Described manner of death, and provided supported information from 2 of the 3 given reports (autopsy report, person of interest report, 1.1.1 a mysterious death)	Described manner of death, and provided supported information from the autopsy report, person of interest report, 1.1.1 a mysterious death
Inconsistenc ies / next step	didn't write any	explained one inconsistency	had at least 1 inconsistency and included at least 1 further test	included 1 or more inconsistencies and 1 or more tests/analysis to be done with explanations why the test is necessary