

AP Biology Practice 1 – Models and Representations Video Review Sheets

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A. What is a model?....A visual representation of

B. A _____ of how it works is a “Conceptual Model”.

C. What are the four Big Ideas we will be discussing in AP Biology? List below along with associated example:

1. _____ - example shows natural _____

2. Free _____ - example:

3. _____ - genetics and cell

4. _____ - pyramid of

C. What are the 5 things you will need to be able to do using models and visual representations?
[Please keep in mind, some of the examples that he uses may be unknown to you at this time, focus on the “practice” not the content.]

1. _____

a. Relating to beetles, draw/label the final graph he created below:

b. Why do you think there were fewer light colored beetles when the trees became darker?

2. _____ What was is going to move in his example? _____

3. _____ They will give you a model and then _____ based on that.

4. _____ Means that you are _____ your knowledge to a visual representation

5. _____ Asking you to _____ the knowledge that you have.

D. Models allow us to make _____ of a _____ model.

E. What is the most famous model of all? _____ That was created by _____

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