

AP Biology: Blizzard Bag 2: Cell Differentiation and Epigenetics

Name:

Period:

Instructions: Complete each of the following.

URL: <https://paul-andersen.squarespace.com/epigenetics>

This is a video on cell differentiation and epigenetics. After watching the video answer the following.

1. Define: Epigenetics:

2. According to the video what causes cells to differentiate into various cell types?

3-7. Explain the “nature” vs. “nurture” debate.

8. Define: DNA Methylation:

9-10. Explain the role of histone acetylation

11-12. Explain the role of histones in gene activation.

13-15: Briefly rate the video.

Best/Favorite feature:

Worst/Least Favorite Feature:

Would you recommend it to future AP biology students: Yes No (circle one)