Name:

Date:

What is Genomics: Biodiversity

1. Describe what “DNA barcoding” is.

2. “DNA fingerprinting” is often used to identify parts of an unknown body or in forensic science to show whether a suspect was at a crime scene. How do fingerprinting and barcoding differ in their usefulness for identifying an unknown biological sample?

3. Currently, DNA from a biological specimen needs to be sequenced in a laboratory in order to get its barcode information. In the video, Dr. Janzen uses a plastic comb to represent a future DNA barcode scanner. What are some of the properties that these future barcode scanners will have, according to Dr. Janzen?

4. Why is DNA barcoding important for conserving biodiversity?