Video Quiz 003 & 009 – version 1

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

1. What is the bottleneck effect? What happened to the genetic diversity of Northern Elephant Seals after the bottleneck?

1. What event caused the change in beak size in finches on the Island *Daphne Major*? Explain how this is an example of natural selection?

Video Quiz 003 & 009 – version 2

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

1. What is the founder effect? Why was the frequency of grayscale colorblindedness in Pingelap increased far above the expected frequency of 1 in 33,000 to almost 10%?
2. What event caused the change in beak size in finches on the Island *Daphne Major*? Explain how this is an example of natural selection?