

## VIDEO GUIDE FOR BOZEMAN BIOLOGY GENETIC DRIFT

1. What is genetic drift?
2. What is  $p$ ?
3. What is  $q$ ?
4. What happens to genetic drift when the population size increases from 50 to 500? To 5000?  
Why?
5. What is the bottleneck effect?
6. What is the founder effect?
7. What happened to the genetic diversity of Northern Elephant Seals after the bottleneck?
8. What happened to the symmetry of the mandible of Northern Elephant Seals after the bottleneck?
9. Why has the frequency of grayscale colorblindness in Pingelap increased far above the expected frequency of 1 in 33,000 to almost 10%?