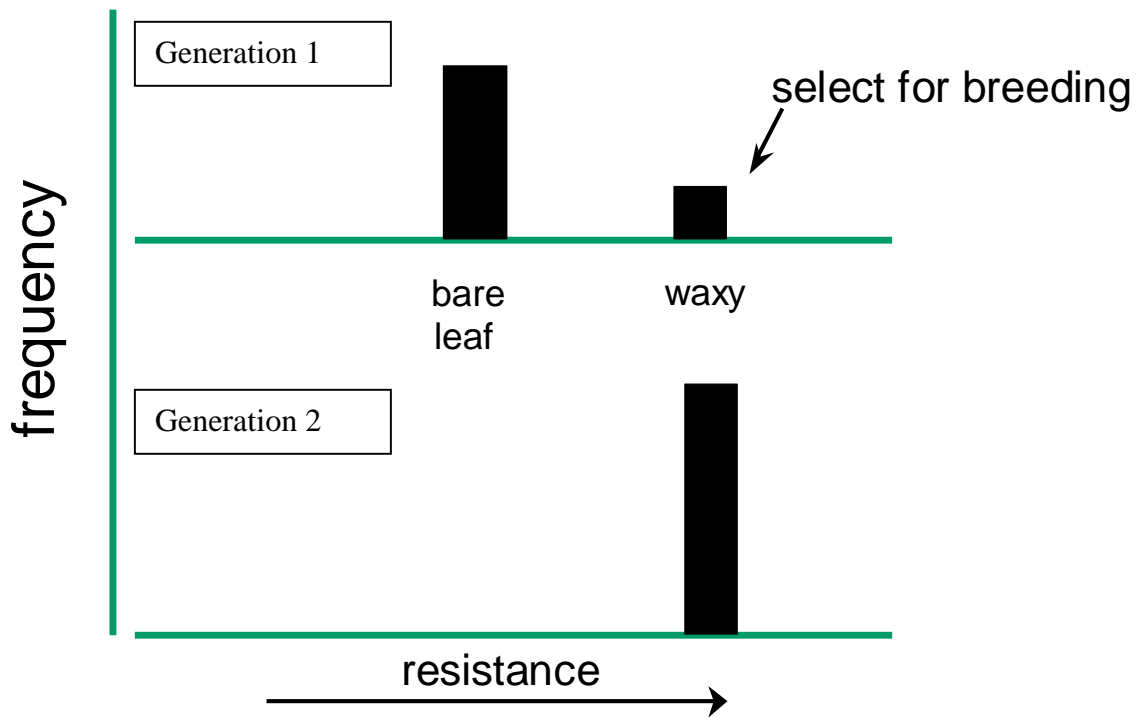


1. What is coprophagy? Who (name a specific example) benefits from it and how does it work to benefit that organism? [knowledge]
2. Describe four different factors that are likely to influence whether a plant has a net positive or a negative response to herbivory. [comprehension]
3. Describe four specific ways that herbivores could affect plant male fitness (siring ability). [comprehension]



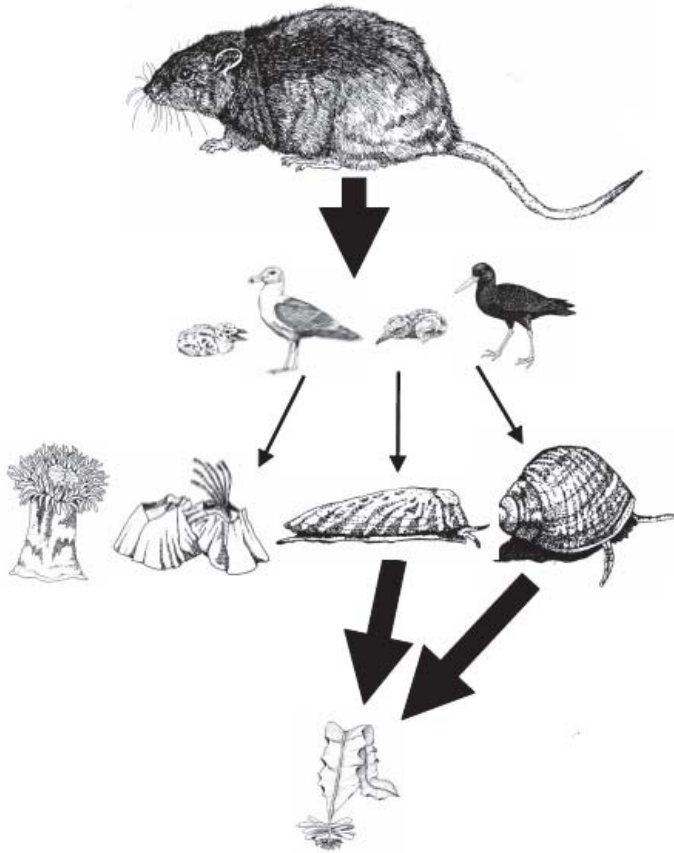
4. Considering the results above derived from a large population of plants, which of the following apply: [analysis]

Traditional breeding  
Hybrid breeding  
Genetic engineering

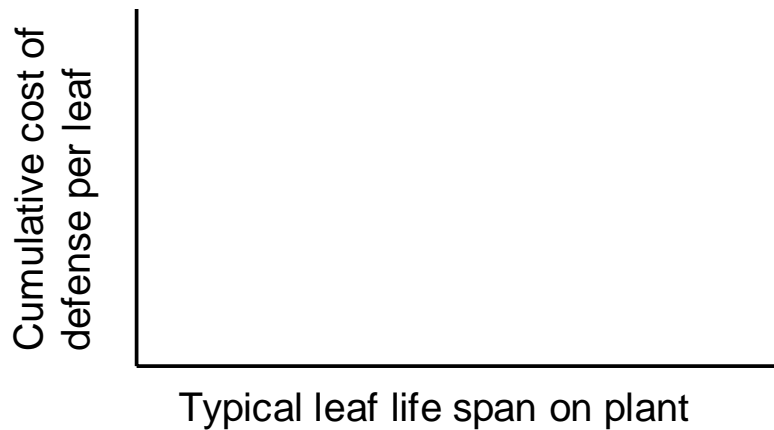
discrete trait  
continuous trait  
complex trait

dominant trait  
recessive trait  
codominant trait

increased heterozygosity  
inbreeding  
hybrid vigor



5. The above diagram illustrates a simplified food web from an Aleutian island. Predict the effect of REMOVING rats from this system and explain your reasoning. [application]



6. Draw a graph on the axes above illustrating predicted differences between plants that invest in qualitative defenses and plants that invest in quantitative defenses. Explain why you drew your graph the way you did.