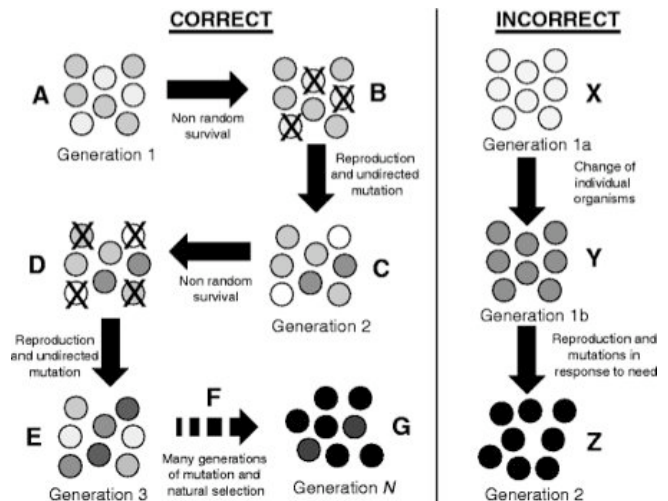


Name: _____

Unit 8 – Evolution

1. The process by which new species develop from pre-existing species is known as _____.
2. **TRUE / FALSE.** There are always enough resources to support all organisms in an area.
3. Species that have advantageous traits _____ and _____. Thus, passing on their traits to the next generation.
4. Species that do not have advantageous traits _____ and therefore are not able to pass on their traits to the next generation.
5. Explain why the incorrect side of the diagram to the right is incorrect.



6. Which type of isolating mechanism **MUST** be present for a new species to develop?
7. A decrease in genetic variation caused by the formation of a new population by a small number of individuals from a larger population is known as _____.
8. Describe the following pieces of evolution and why they support the theory.
 - a. Fossils
 - b. Homologous structures
 - c. Analogous structures
 - d. Embryology
 - e. Biochemistry
9. Species that undergo gradualism change _____ over a long period of time.
10. Species that undergo punctuated equilibrium change _____ over short periods of time.
11. Give an example of each of the following and describe the consequences.
 - a. Artificial selection
 - b. Inbreeding
 - c. Hybridization