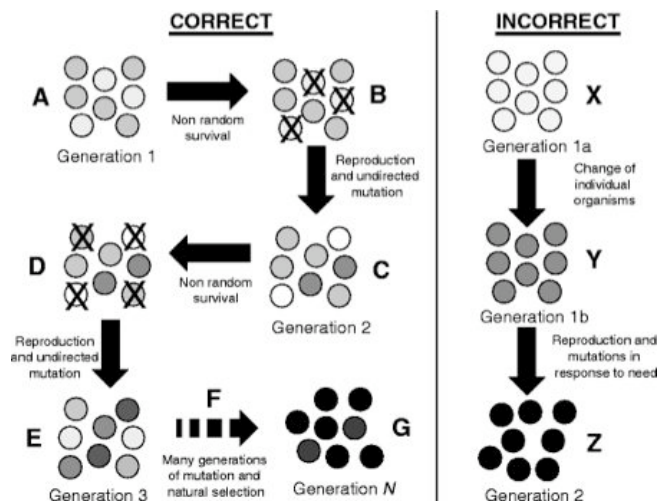


## TOPIC 8: Evolution

Please use the podcast from Council Rock High School for TOPIC 8 to guide you. The podcast can be found at <http://www.crsd.org/Page/31715>

1. A process in which new species develop from pre-existing species is known as \_\_\_\_\_.
2. TRUE or FALSE: There are always enough resources to support all organisms: \_\_\_\_\_
3. What happens to the species that have the advantageous traits?
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
4. What happens to the species that do NOT have advantageous traits?

5. Explain why the INCORRECT section on the right IS incorrect



6. What are the three different types of isolating mechanisms?
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_

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 evidence for evolution
  - a. Fossils:
  - b. Homologous structures:
  - c. Analogous structures:
  - d. Embryology:
  - e. Biochemistry:

9. What happens during gradualism? \_\_\_\_\_

10. What happens during punctuated equilibrium? \_\_\_\_\_

11. Give an example of
  - a. Selective breeding: \_\_\_\_\_
  - b. Inbreeding: \_\_\_\_\_
  - c. Hybridization: \_\_\_\_\_