



Science 2 Diagnostic Test

Want to know which class fits best for you? Take this diagnostic test! If you find this way too hard, go to the Science 1 diagnostic test! If you find this a just little challenging, then sign on up!

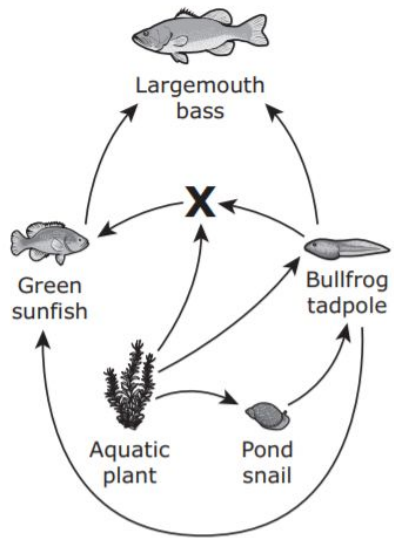
- 1.) Primary succession occurs when pioneer species move into an area that has no plants. Which organisms are common pioneer species?
 - A Conifer trees and tall grasses with roots that loosen the soil
 - B Mosses and lichens that can grow on rocky surfaces
 - C Grasses and weeds that arrive as seeds carried by the wind and then germinate in rich soil
 - D Vines and shrubs that help prevent the erosion of shallow soil

- 2.) A large rock is motionless on a flat sidewalk. Which statement best explains why the rock remains motionless?
 - F There are no forces acting on the rock.
 - G The only force acting on the rock is directed toward the sidewalk.
 - H The forces acting on the rock are all balanced.
 - J The sidewalk exerts an unbalanced force on the rock.

- 3.) A tiger cub has a pattern of stripes on its fur that is similar to that of its parents. Where are the instructions stored that provide information for a tiger's fur pattern?
 - A In cytoplasm inside cells
 - B On genes within chromosomes
 - C On the cell membrane
 - D In the mitochondria

- 4.) Photosynthesis creates:
 - A glucose and water
 - B water and oxygen
 - C oxygen and glucose
 - D CO₂ and oxygen

5.) Which type of organism should replace the X in the food web?



- A An omnivore
- B An herbivore
- C A carnivore
- D A producer