

STATION 11B- RESPONSE TO EXTERNAL FACTORS

Practice Questions

11B.1 Researchers have found that a local squirrel population fluctuates from year to year, increasing one year and decreasing the next. Which of the following factors would cause the squirrel population to grow?

- A. The birth rate is equal to the death rate
- B. Emigration is greater than immigration
- C. The death rate is higher than the birth rate
- D. The birth rate is greater than the death rate

11B.2 All populations fluctuate in size. Which of the following is a non-environmental factor that might cause a population to be reduced in size?

- A. Decreased predation
- B. Increased competition
- C. Emergence of disease resistance
- D. Increased availability of a food source

11B.3 Which is a way in which the Central Arizona Project, which diverts water from the Colorado River, could have contributed to human population growth in southern Arizona?

- A. It provided water for neighborhood lawns.
- B. It enabled better flood control during rains in the desert.
- C. It provided an opportunity for recreational fishing and swimming.
- D. It provided a reliable supply of water for drinking and agricultural irrigation.

11B.4 The population size that an environment can sustain is called the carrying capacity. Which of the following factors would not decrease the carrying capacity of a pond environment?

- A. Drought
- B. Flooding
- C. Food shortages
- D. Unusually low temperatures