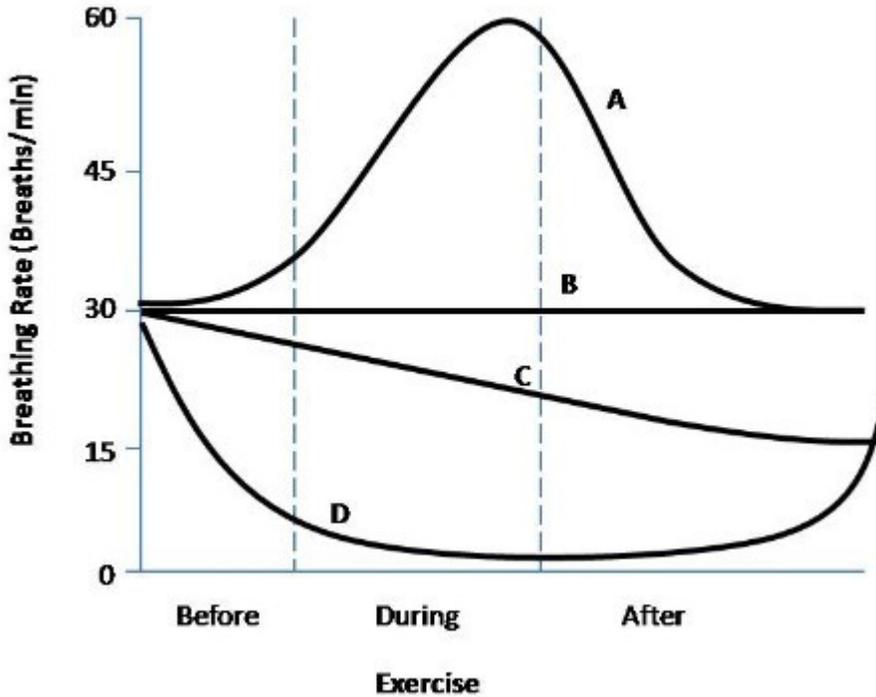


SC.912.L.14.36 – Circulatory System – Example 4 Answer

Which line in the graph above best illustrates an effect of the carbon dioxide level in the blood on breathing rate before, during and after a period of exercise?



- A.
- B.
- C.
- D.

Answer

A. The level of carbon dioxide increases during exercise because the cells are undergoing cellular respiration at a faster rate to make more ATP. Carbon dioxide is produced as a product of cellular respiration.