

SC.912.L.14.36 – Circulatory System – Example 5 Answer

Which of the following best describes the connection between cardiovascular disease and age?

- A. As people age, their blood vessels become more elastic leading to less cardiovascular disease.**
- B. As people age, the heart becomes more efficient with each pump, increasing cardiac output.**
- C. As people age, blood pressure decreases leading to more cardiovascular disease.**
- D. As people age, plaque builds up in the arteries increasing vessel resistance, which leads to disease.**

Answer

D. As people age, plaque builds up in the arteries increasing vessel resistance, which leads to disease.

This condition is called atherosclerosis, where the walls of the arteries become thick and inflexible. Atherosclerosis increases resistance in the blood vessels leading to high blood pressure.