

SC.912.L.18.1 – Macromolecules – Example 9 Answer

The human body maintains a temperature of around 98.6 degrees at all times. Enzymes are involved in almost every chemical reaction in the body. Which of the following describes the connection between these two statements?

- A. Enzymes function best at a specific temperature.**
- B. The body needs to be warm to prevent hypothermia.**
- C. The body is kept relatively warm to prevent too much enzyme action.**
- D. There is no connection between the two statements.**

Answer

A. Enzymes function best at a specific temperature.

Enzyme activity is affected by temperature. Each enzyme has a specific temperature range in which it works most effectively. Most biological enzymes present in the human body have an ideal temperature range of around 98.6 degrees.