Unit 13: An introduction to AS Level organic chemistry Subunit 13.3: Shapes of organic molecules; sigma and pi bonds

Topical Question No: 1

5 The characteristic smell of garlic is due to alliin.

$$\begin{array}{c|c} H & H & O & NH_2 \\ \hline | & | & y & \parallel \\ X & C = C & CH_2 - S - CH_2 & C - H \\ \hline | & & & CO_2H \\ \end{array}$$

What are the approximate bond angles **x**, **y** and **z** in a molecule of alliin?

	x	у	z
Α	90°	90°	109°
В	120°	109°	90°
С	120°	120°	109°
D	180°	109°	109°

Answer Key

1. Error