

4 Two students are discussing longitudinal waves.

Student 1 states that at the centre of a compression the displacement of molecules is zero.

Student 2 states that at the centre of a rarefaction the displacement of molecules is zero.

Which of the students' statements are correct?

- ☐ A Both
- ☐ B Neither
- ☐ C Only student 1
- ☐ D Only student 2

(Total for Question 4 = 1 mark)