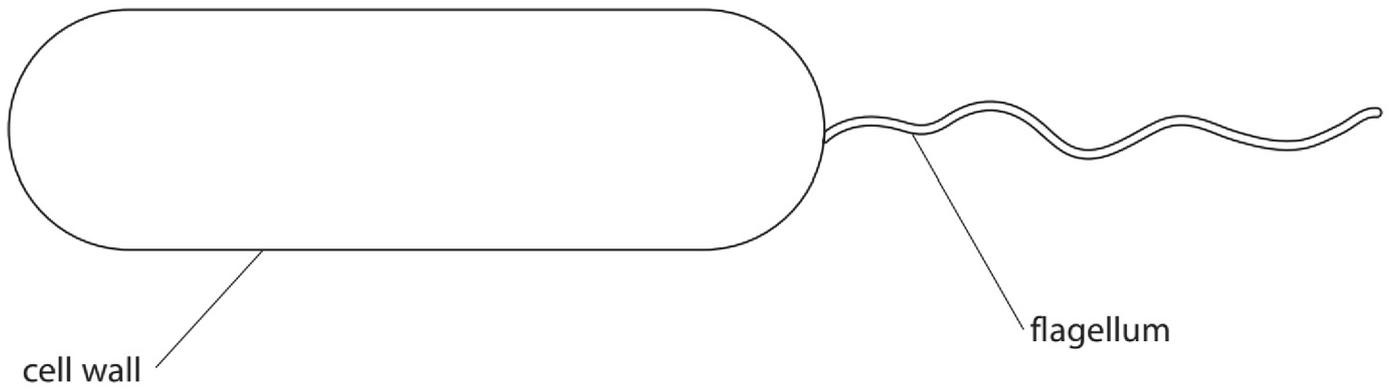


2 The diagram shows part of a prokaryotic cell, as drawn by a student.



(a) Draw **and** label a capsule and two pili on the diagram.

(2)

(b) The effect of concentrations of sodium chloride solution on the growth of bacteria was investigated.

The same number of *L. piscium* bacteria were added to test tubes containing different concentrations of sodium chloride solution.

The volume of sodium chloride solution was the same in each test tube.

The growth rates of the bacteria were recorded after a set period of time.

The investigation was repeated with *B. thermosphacta* bacteria.

The graph shows the results of this investigation.