

15 Some students investigated the effect of pH on the rate of starch digestion by amylase at 20 °C.

- They added 2 cm³ of a 1% amylase solution and 1 cm³ of pH4 buffer to a test-tube.
- They added 2 cm³ of a starch solution, containing 0.02 g of starch, to the test-tube.
- They measured the time taken for the starch to be digested (to disappear).

The students then repeated these steps with pH5, pH6, pH7 and pH8 buffers.

The table shows the results.

pH	time taken for starch to be digested / minutes
4	4.0
5	1.5
6	1.0
7	2.5
8	6.0

Which graph is correct for these data?

