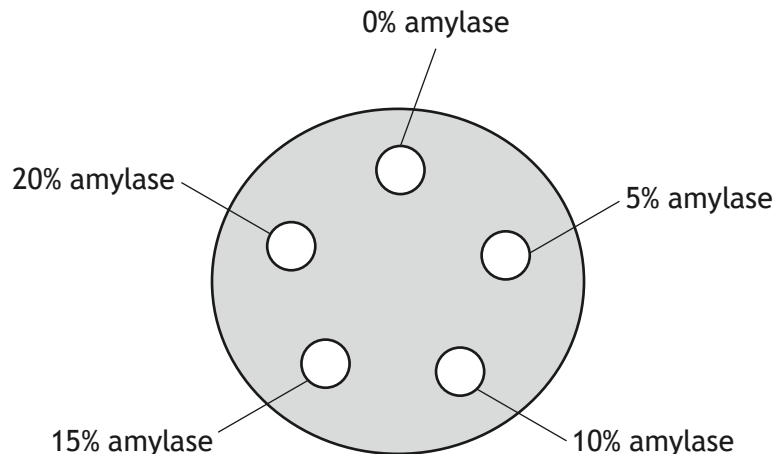


8. An experiment was set up to investigate the effect of the concentration of amylase on the rate of starch breakdown.

Three starch agar plates, each with five wells containing 100 μL of different amylase concentrations were set up as shown in the diagram.



As the amylase diffuses out of the well it breaks down starch in the agar, turning the agar clear. The plates were incubated at 37 °C for 3 hours and the diameter of the clear zone around each well was measured using a ruler.

Which feature of the design of this experiment would ensure the results were valid?

- A Three plates were set up for each amylase concentration.
- B The same volumes of amylase were used in each well.
- C Different concentrations of amylase were used in each well.
- D The diameter of each clear zone was measured using a ruler.