

- (b) The student decides to investigate the link between temperature and the size of the balloon.

She writes a plan.

I will change the temperature of the balloon by putting it into a freezer.

To get a range of different temperatures I will put the balloon into the freezer for different times.

I will measure the temperature of the balloon using a thermometer.

To measure the size of the balloon I will take it out of the freezer and line it up next to a ruler.

To make sure it is a fair test I will repeat the experiment three times.

I will plot a graph of size against temperature.

There are several faults in the student's plan.

Identify **three** of these faults and suggest an improvement to correct each one.

(6)

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(Total for Question 7 = 10 marks)

TOTAL FOR PAPER = 60 MARKS



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