A student set up an experiment to investigate the relationship between the temperature of an acid and the rate of carbon dioxide production when reacted with a base. In each trial the student timed how long in seconds it took to produce 100 mL of carbon dioxide in a gas syringe. The results are shown below.

Temperature of acid (°C)	Time taken to produce 100 mL of carbon dioxide (s)
30	91
40	65
50	64
60	21

- 10. Which of the following would improve the reliability of the data produced in this investigation?
 - (i) conduct multiple trials for each temperature
 - (ii) change the concentration of the acid
 - (iii) use a range of bases to react with the acid
 - (iv) increase the range of temperatures investigated
 - (a) ii, iii and iv
 - (b) i, ii and iii
 - (c) iii and iv only
 - (d) i and iv only