5 A student determined a value for g by dropping a metal sphere from rest. The student measured the distance fallen and the time taken for the sphere to fall.

The student obtained a value for g of $11.2\,m\,s^{-2}$.

Which of the following could explain the difference between the student's value and the accepted value?

- ☒ **A** The air resistance was not negligible.
- ☒ **B** The student's measured distance was greater than the actual distance.
- ☒ **C** The sphere did not fall vertically.
- ☒ **D** The student's measured time was greater than the actual time taken.

(Total for Question 5 = 1 mark)