

- 1 Two students A and B carry out a series of experiments to determine the density of water. The results are tabulated below. The true value for the density of water is  $1000 \text{ kg m}^{-3}$ .

density of water, $\rho$ / $\text{kg m}^{-3}$	
Student A	Student B
1002	998
998	998
997	998
1001	997
999	997

Which of the following statements below correctly compares the two sets of experimental results?

- A Results of Student A is more accurate and more precise than those of Student B.
- B Results of Student A is more accurate and less precise than those of Student B.
- C Results of Student A is less accurate and more precise than those of Student B.
- D Results of Student A is less accurate and less precise than those of Student B.

- 2 An object of mass 2.0 kg is falling vertically from rest. Air resistance  $R$ , in newtons, is given