

- 5 Four students each made a series of measurements of the acceleration of free fall g . The table shows the results obtained.

Which set of results could be described as precise but **not** accurate?

	g/ms^{-2}			
A	9.81	9.79	9.84	9.83
B	9.81	10.12	9.89	8.94
C	9.45	9.21	8.99	8.76
D	8.45	8.46	8.50	8.41

- 6 An object accelerates in a direction that is always perpendicular to its motion.

What is the effect, if any, of the acceleration on the object's speed and direction?

	speed	direction
A	changes	changes
B	changes	constant
C	constant	changes
D	constant	constant

- 7 The acceleration of free fall on a planet P is $\frac{1}{6}$ of the acceleration of free fall on Earth.

The mass of a body on planet P is 30 kg.

What is its weight on planet P?

- A** 4.9 N **B** 49 N **C** 180 N **D** 290 N