Q · Kinematics

AQA · A-Level · Mathematics · Vocabulary in context

Word	Example
kinematics /ˌkɪnɪˈmætɪks/	**Kinematics** describes how things move.
displacement /dɪˈspleɪsmənt/	After walking 3 km east, your **displacement** is 3 km east. 3 km 3 km
speed /spiːd/	The bus moves at a **speed** of 15 m/s. 15 m/s
velocity /vəˈlɒsɪti/	The ball's **velocity** is 5 m/s to the left. 5 m/s
acceleration /əkˌseləˈreɪʃn/	The car speeds up quickly, so its **acceleration** is large.
projectile /prəˈdʒektaɪl/	A **projectile** moves under gravity alone, after it is launched.
time of flight /taɪm ɒv flaɪt/	The **time of flight** of the ball is 2 s. 2 s
horizontal range	The **horizontal range** is how far the ball travels before it lands.

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