

Science

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(Chapter – 10) (Gravitation)

(Class – IX)

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Question 1:

What do you mean by free fall?

Answer 1:

Gravity of the Earth attracts every object towards its centre. When an object is released from a height, it falls towards the surface of the Earth under the influence of gravitational force. The motion of the object is said to have free fall.

Question 2:

What do you mean by acceleration due to gravity?

Answer 2:

When an object falls towards the ground from a height, then its velocity changes during the fall. This changing velocity produces acceleration in the object. This acceleration is known as acceleration due to gravity (g). Its value is given by 9.8 m/s^2 .

