Chapter 3 - Part C Motion Along a Straight Line

3-6 Free-Fall Acceleration

3-6 Free-Fall Acceleration Free-fall

In the absence of the effects of air, all objects dropped or thrown near Earth's surface have a certain constant acceleration toward Earth. This acceleration is called free-fall acceleration and it is due to Earth's gravity.



The value of g varies slightly from place to place on Earth's surface. the value $g = 9.8 \text{ m/s}^2$ is accurate enough for our purposes in this course.

3-6 Free-Fall Acceleration Formulas











3-6 Free-Fall Acceleration Checkpoint

