

Name: _____

Physics 11

**Lesson 1.6 – Acceleration Due
to Gravity**

There are many factors that affect how quickly a falling object picks up speed:

However, in many circumstances, these effects are small and can be ignored (thank goodness!). In that case, if an object...

1)

2)

and 3)

then it will accelerate at

(Acceleration due to gravity on Earth)

See reverse side for example...

Example: A football is kicked straight up in the air at 15 m/s.

a) How high does it go?

b) What is its total hangtime and what is its velocity when it hits the ground?

The moral of the story is, on level ground...

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