

# Gravity Study Guide

Name \_\_\_\_\_  
Date \_\_\_\_\_  
Period \_\_\_\_\_

Define the words below and use the word in a sentence.

•Gravity: \_\_\_\_\_

Sentence: \_\_\_\_\_

•Free fall: \_\_\_\_\_

Sentence: \_\_\_\_\_

•Terminal Velocity: \_\_\_\_\_

Sentence: \_\_\_\_\_

•Inertia: \_\_\_\_\_

Sentence: \_\_\_\_\_

•Acceleration: \_\_\_\_\_

Sentence: \_\_\_\_\_

•Friction: \_\_\_\_\_

Sentence: \_\_\_\_\_

•Velocity: \_\_\_\_\_

Sentence: \_\_\_\_\_

•Air Resistance: \_\_\_\_\_

Sentence: \_\_\_\_\_

•What is the difference between free fall and terminal velocity? \_\_\_\_\_

•How fast do objects accelerate when falling to the ground? \_\_\_\_\_

•What force pushes up on falling objects? \_\_\_\_\_

•When book is sitting on a ramp, why doesn't it slide down to the bottom? \_\_\_\_\_



• \_\_\_\_\_ is a force that helps a truck slow down and stop. \_\_\_\_\_ is a force that makes it difficult for the truck to start and stop. (freefall, inertia, friction, free fall, gravity)

•Rank the planets 1st to 10th in most gravity to least gravity. Most gravity is #1...

10 kg.  
\_\_\_\_

125 kg  
\_\_\_\_

55 kg.  
\_\_\_\_

30 kg.  
\_\_\_\_

15 kg.  
6

90 kg.  
\_\_\_\_

100 kg.  
2