## **Bill Nye Gravity – 25 Points**

Name			Science
1) Explair	n why grav	ity is a force.	
2)	<ul><li>A) Gravit</li></ul>	inition best defines gravity?  y is the attractive force between any two objects.  y is the pull toward the center of the earth.	
	a is the res	sistance of an object to a change in its state of mo	tion. Which object has more inertia?
Chele	your answe	<b>é ©</b>	
4) On eart	h, a falling	g apple and bowling ball would both accelerate at	meters/second/second.
5) Newton	ı said that:	Force = mass x acceleration. Which object has more (Which object has more weight?)	e force acting on it? Circle it.
6) Mr. Ga	lilei dropp	ed 2 cannon balls from the tower of Pisa. What was h	is first name?
	R. Scott sh rell on eart	owed that a feather and a hammer accelerate at the sain $h$ ?	me rate. Why won't this experiment
8) <b>Yes</b>	No	Is there any air on the moon?	
9) <b>Yes</b>	No	Does the moon have gravity?	
10) <b>Yes</b>	No	Is the moon falling? (Is earth's gravity accelerating	the moon toward us?)
11)		= mass x g	
12) What w	vould you	weigh in deep space where the gravitational force is ze	ero? Newtons
13) Why ar	en't we pu	alled off the surface of our planet if the sun's gravity is	s greater than earth's gravity?