ALWAYS, SOMETIMES, OR NEVER TRUE? – ANSWER KEY

Read each statement, and then circle whether you think it's always, sometimes, or never true. Include an example that supports your classification and a non-example if it applies.

Statement	Classification	Example/Non-Example
The farther the ball dipped into the gravity bucket, the lower the gravitational pull it had.	Always True Sometimes True [Never True]	The steel ball, which was heaviest, dipped lower
When a heavy ball and a light ball were in the gravity bucket, the light ball would roll in toward the heavy ball.	Always True [Sometimes True] Never True	Although the light ball would roll toward the heavy ball (never the other way), sometimes they were too far apart to roll together and would just sit there.
Black holes have a higher gravitational pull than the sun.	[Always True] Sometimes True Never True	It was easier to get things to orbit the baseball than the steel ball.
Gravity is greater when objects are closer in distance to each other.	[Always True] Sometimes True Never True	Things close together always rolled together.
The greater the volume of an object, the greater the gravitational pull.	Always True [Sometimes True] Never True	Gravity is related to mass, but heavy things could be big. The baseball had more mass than the steel ball, as well as more volume.
The greater the mass of an object, the greater the gravitational pull.	Always True [Sometimes True] Never True	Everything rolled quickly toward the steel ball, but if the distance had been greater, this might not have been the case.
Distance influences the gravitational pull between two objects.	[Always True] Sometimes True Never True	In the table, the closer the planet, the faster it orbited around the sun.
Mass influences the gravitational pull between two objects.	[Always True] Sometimes True Never True	In the table, Jupiter had a lot of mass and a lot of gravity.