

Name: \_\_\_\_\_

## Sample Solution

**Exercise 2.3 (10<sup>th</sup>) / 2.3 (9<sup>th</sup>):** Aristotle predicted that gravity causes heavier objects to fall faster than lighter objects, in fact he said that if a heavy ball had twice the weight of another ball, it would fall twice as fast. Galileo discredited this prediction by showing that a heavy ball and a smaller ball hit, when dropped simultaneously from the Leaning Tower in the town of Pisa (where Galileo was living at the time), hit the ground at the same time.

Not only was this an important observation, it emphasized the need for experiments to validate theories. While Aristotle's prediction seems plausible, it's just not how the world works.

