

Name: _____

Date: _____

Period: _____

Analyzing Conclusions

Below are three examples of the opening paragraph for your lab's conclusion. Identify which is the best and explain why.

Example 1: My hypothesis was that the heavy balls will fall faster. I was right. The heavy ball went at 2.7 and the ping pong ball fell at 2.6 meters.

Example 2: My hypothesis was that heavier balls will fall faster than light balls because gravity pulls harder on heavier things. I was wrong, the mass didn't seem to matter. The golf ball which had a mass of 45 grams fell at 2.6m/s, but the practice golf ball which had a mass of only 6 grams fell at 2.5 m/s, which is essentially the same velocity.

Example 3: I thought that when the mass of an object increased, then the object would fall faster because gravity is stronger on heavier objects. It turns out that I was wrong. When analyzing my data I found that the ping pong ball fell at 1.9m/s, but the golf ball fell at 2.3 m/s. Obviously the heavier objects fall faster.

Which is the best conclusion? _____ Why: _____

[illegible]