

Name: _____


Please read the Discover Activity below and complete the activity if you have all of the materials. You can use any coin or metal washers if you don't have quarters. You can also use something else in place of the ruler if you don't have one (a book would work). Please answer the questions under **Think It Over** Predicting.

Lab zone **Discover Activity**

Which Lands First?

1. Stack three quarters. Wrap tape around the quarters to hold them tightly together. Place the stack of quarters next to a single quarter near the edge of a desk.
2. Put a ruler flat on the desk behind the coins. Line it up parallel to the edge of the desk and just touching the coins.
3. Keeping the ruler parallel to the edge of the desk, push the coins over the edge at the same time. Observe how long the coins take to land.

Think It Over
Predicting Did you see a difference in the time the coins took to fall? Use what you observed to predict whether a golf ball will fall more quickly than a table tennis ball. Will a pencil fall more quickly than a book? How can you test your predictions?



Think it Over:

1. Did you see a difference in the time the coins took to fall? _____

2. Use what you observed to predict whether a golf ball will fall more quickly than a ping pong ball. _____

3. Will a pencil fall more quickly than a book? Test your predictions? _____
