

Water Drops on a Penny

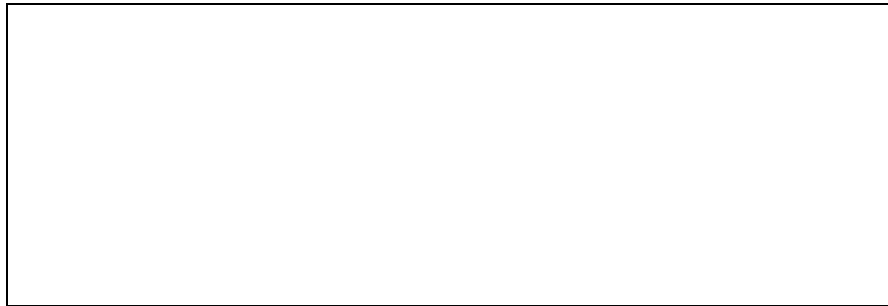
How many drops of water will fit on a penny before it spills over?

Predict_____

Actual_____

Place a penny on top of a paper towel on a level surface. Use an eyedropper to carefully put as many drops of water on the penny as you can. Count how many drops fit on the penny before the water spills. Record the results above.

View the water on the penny sideways, and on the space below, draw your observations.



What observations did you make?

How does your tested results compare to your prediction?

How did the number of drops on your penny compare to the group next to you?

Repeat the investigation with the goal of obtaining more accurate results

Trial #	Drops of Water
Average	

How does adding soap to water affect the number of drops that can be placed on a penny?

Following the same procedure as before, see how many drops of soapy water will fit on the surface of your penny before it spills over.

Trial #	Drops of Soapy Water
Average	

What difference is there between these results and the ones using water?

How do you explain the difference?

How can you make your results more accurate?

What variables can you change to make your results more accurate?
List them.
