

Sticky Water Worksheet

Name: _____

Activity One

Prediction

I will be able to put _____ drops of water on the coin.

Directions

Slowly begin to place drops of water on the coin, add the drops one drop at a time for better results. Count the drops, until the water drop collapses, and spills over the side on the coin. Record the number of drops below. Allow the other team to repeat the activity. Report your team's data to the class.

Number of Drops:

Team Member One: _____ Team Member Two: _____

Teams	Penny		Nickel		Dime	
	Heads	Tails	Heads	Tails	Heads	Tails
Team 1	drops	drops	drops	drops	drops	drops
Team 2						
Team 3						
Team 4						
Team 5						
Team 6						
Team 7						
Team 8						
Team 9						
Team 10						
Team 11						
Team 12						
Team 13						
Team 14						
Team 15						

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Name: _____

Activity Two

Prediction

I will be able to float _____ paperclips on the surface of the water.

Directions

Attempt to place a paperclip on the surface of the water in the cup. (Hint: Place the paperclip on the prongs of the fork, and gently lower onto the water.)

Place as many paperclips as possible onto the surface of the water. Record the number of paperclips. Allow your teammate repeat the activity. Report your team's data to the class.

Number of Paperclips:

Team Member One: _____

Team Member Two: _____

Teams	Number of Paperclips
Team 1	
Team 2	
Team 3	
Team 4	
Team 5	
Team 6	
Team 7	
Team 8	
Team 9	
Team 10	
Team 11	
Team 12	
Team 13	
Team 14	
Team 15	

Assessment:

- Did the number of drops change with the size of the coin? "heads" versus "tails" ? new coin versus older (more used and worn down) coin? Why?
- Why do you think the paperclips "float"?