

How many drops
of water will a
penny hold?



SCIENTIFIC PROCESS

INTRODUCTION

2 inquiry levels

Draw a picture of 1
drop on the penny.



Draw a picture of
10 drops on the
penny.



Name _____



How many drops of water will a penny hold?

MY PREDICTION (GUESS):

1. Working with a partner, use a dropper to drop water on a penny, one drop at a time.
2. Have your partner count every drop.
3. When the water spills over stop counting. Record your results.

Number of drops my penny held:

Dry your penny and try the experiment again.

Draw a picture of 1 drop on the penny.



Draw a picture of 10 drops on the penny.



Put more drops on your penny. Observe your penny with a hand lens **JUST BEFORE THE WATER SPILLS.**

Draw what you see from the top.

Draw what you see from the side.

- What did you learn from this experiment?
- Do you think turning your penny to the “tails” side would let it hold more water?
- Do you think other coins (dimes, nickels and quarters) would hold a similar amount of water drops?

Draw a picture of 1 drop on the penny.



Draw a picture of 10 drops on the penny.



Put more drops on your penny. Observe your penny with a hand lens **JUST BEFORE THE WATER SPILLS.**

Draw what you see from the top.

Draw what you see from the side.

- What did you learn from this experiment?

- Do you think turning your penny to the “tails” side would let it hold more water? _____
- Try It!

Number of drops my “tails” penny held:

- Do you think other coins (dimes, nickels and quarters) would hold a similar amount of water drops?
- Try It!

Number of drops my _____ held:

- What would you like to try next?



I hope you enjoy this product! Good Luck –I'm sure your students will love this little inquiry activity! I would appreciate feedback after you try out this product!

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Science really IS fun- Let me help you fit some into your very busy day!