

## TRY THIS!



See how many drops of water will fit on a penny without overflowing.

### You will need:

- A glass of water
- a penny
- a medicine dropper



Make a prediction: How many drops do you THINK will fit on the surface of the penny?

### Count the drops:

- Fill the dropper with water.
- Count the drops of water as you “carefully” drop them on the penny.
- **Tip:** hold the dropper close to the penny, but do not touch the water.

How many drops of water did the penny hold...without spilling over?

**Try This** with your friends.

**Try This** with other coins (nickel, dime, quarter).

### Science Connection: H<sub>2</sub>O

*The water drop seemed to s-t-r-e-t-c-h with each drop of water. The hydrogen and oxygen molecules created a bond that was super tight. That's called "surface tension". Surface tension caused the drop to create a dome on top of the penny and did not let the water overflow. Finally, one drop too many broke the surface tension.*