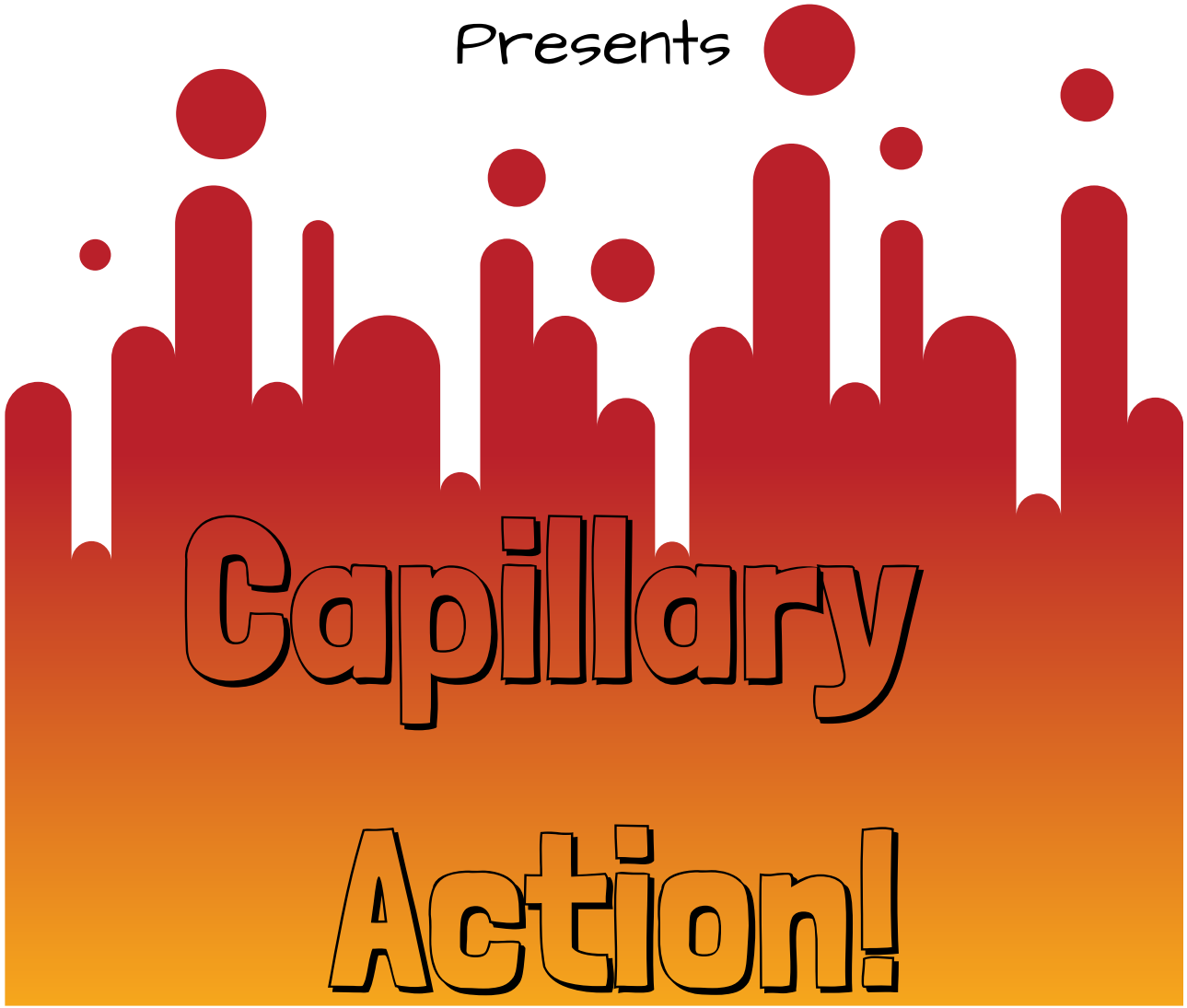
STEMSPARK

Presents



Capillary Action

Capillary Action occurs when a liquid, such as water, flows into narrow spaces. Forces are similar to push and pull. In capillary action, tiny forces push and pull water into small spaces, allowing it to defy gravity and move UP!

In this experiment, you will explore capillary action flowers!

My hypothesis:

Material Exploration!

Looks Like:

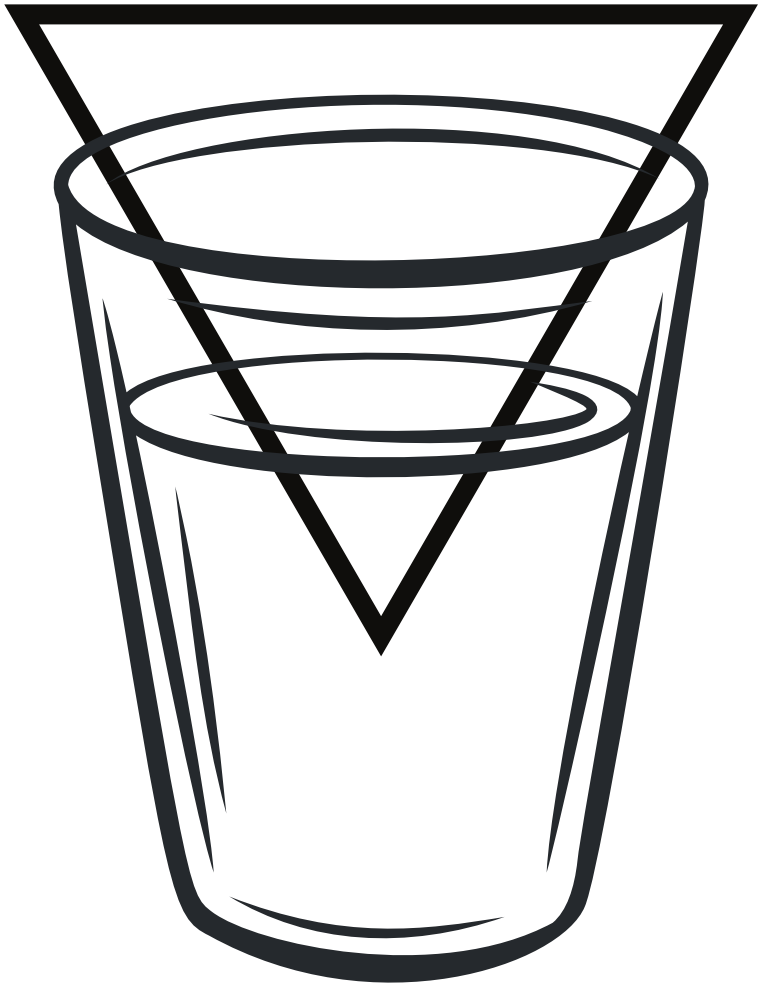
Smells Like:

Feels Like:

Sounds Like:

Capillary Action

Water • Markers • Pipe Cleaner• Coffee Filter



Observations:

My conclusion:

I learned:

Capillary Action occurs when a _____ flows into _____ spaces.

Forces are similar to _____ and _____.

I observed that the water moved _____ the coffee filter when placed in water

Word Bank: liquid small push pull up

Science Extension!

Let's explore horizontal capillary action. Record how long it takes water of different temperatures and one other liquid, such as olive oil to spread over the entire filter. Record the distance a single drop of each spreads.

My hypothesis:

I think the _____ will spread the fastest.
I think one drop of _____ will spread the farthest.

Capillary Action

Coffee Filter • Warm Water • Cold Water • Olive Oil • Ruler

	I think:	I see:	Time:	Distance:
1 				
2 				
3 				

My conclusion:

Warm water/ cold water/ olive oil spread the fastest.
Warm water/ cold water/ olive oil spread the farthest.

I learned:

Capillary action allows liquids to move **up/down** and **sideways/ back**.

Capillary action **does/does** not work with thicker liquids such as olive oil.

STEM–Spark Stumper:

List 3 other materials in your house that allow capillary action: