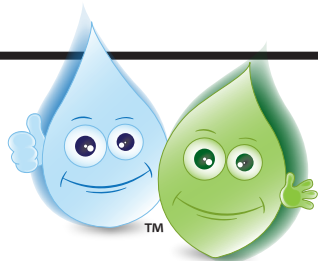
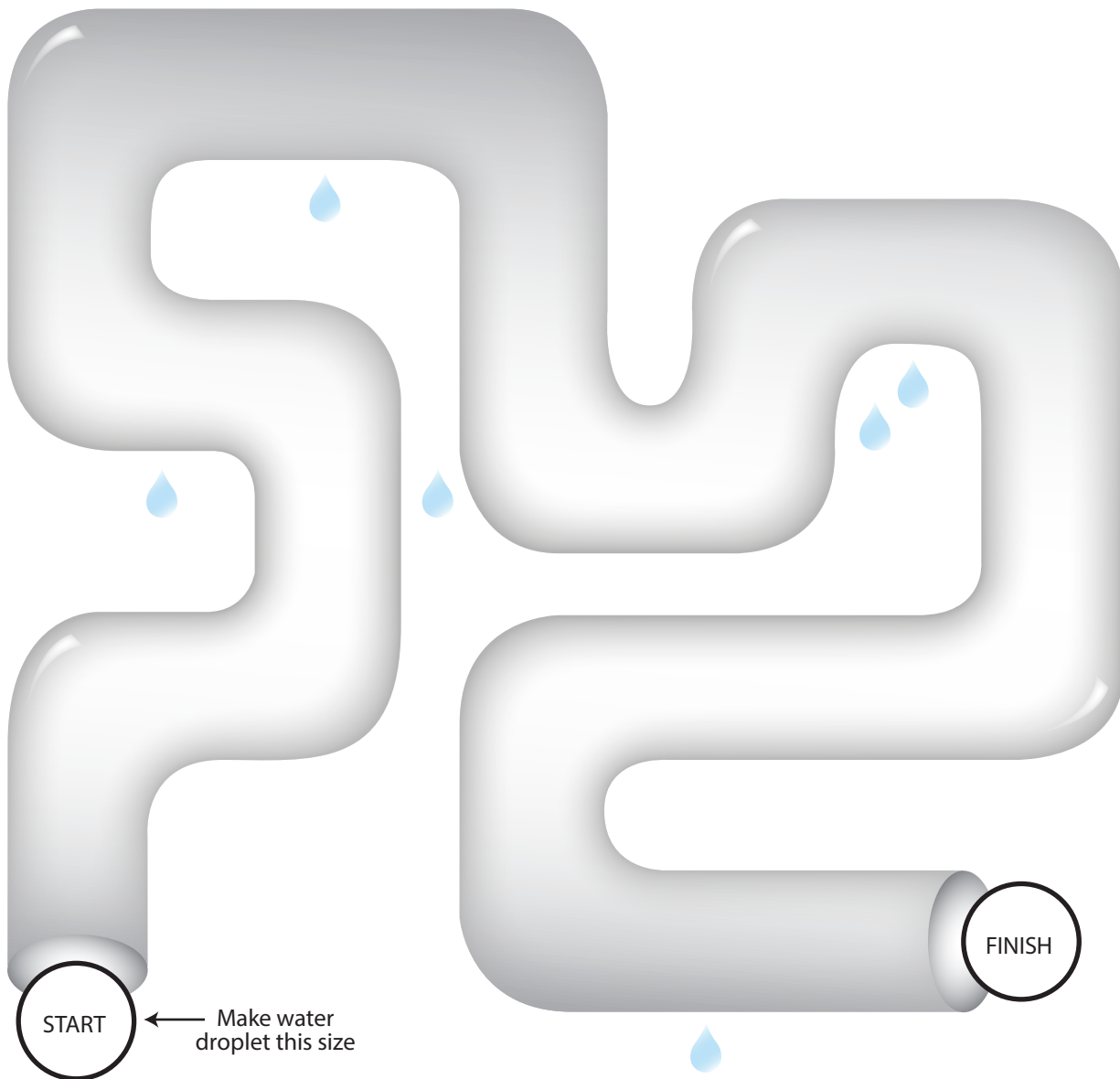




H₂O OLYMPIANS

AMAZING WATER RACE



WATER STRETCH

BEGIN HERE

1cm	2cm	3cm	4cm	5cm	6cm	7cm	8cm	9cm	10cm	11cm	12cm	13cm	14cm	15cm
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H₂O OLYMPIANS

Pole Vaulting: Over the Top! Event #1

Read the directions through before you begin this event. How many pennies do you think you'll be able to add before the water spills over?

DIRECTIONS - Fill a clear plastic cup with water until it is even with the rim. Add pennies, one at a time. Keep track of the number of pennies added. Continue until the water spills over the side. Repeat with each team member who wishes to try.



Pay attention to the surface of the water.

What does it look like?

How many pennies did you add successfully?





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Balance Beam: A Penny Event #2

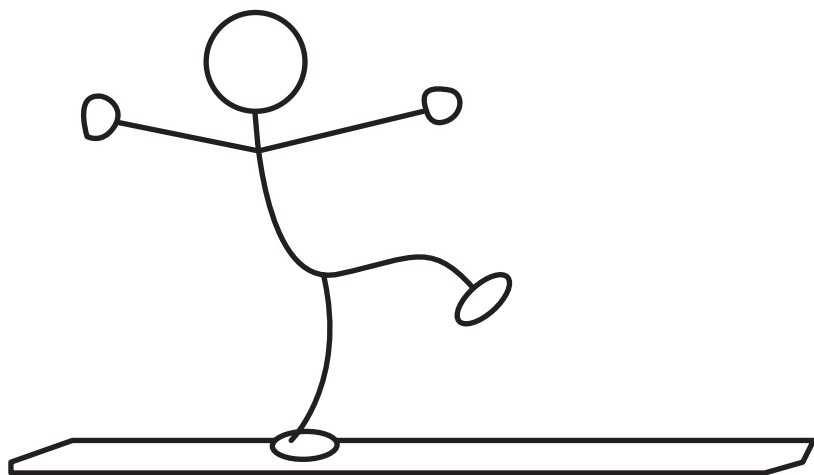
Read the directions through before you begin this event. How many drops of water do you think you'll be able to put on a penny before the water spills over?

DIRECTIONS - Using an eyedropper, place as many drops of water on the penny as possible without spilling over the edge. Keep track of the number of drops. Continue until water spills over or the water drop collapses. Repeat for the other team member. Record the scores.



Note how the water appeared on the penny before the drop collapsed.

How many drops did you add before the water spilled over?





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Back Stroke: Clipping Event #3

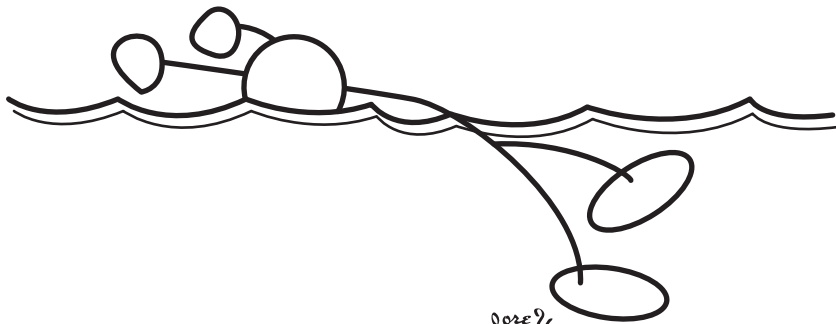
Read the directions through before you begin this event. How many paper clips do you think your team can suspend on the surface of water?

DIRECTIONS - Try placing a paper clip on the surface of water. (Hint: Lay the paper clip on the prongs of a fork and lower it into the water or gently push the paper clip on to the surface of the water from the rim of the cup.) Observe the surface of the water where it comes in contact with the paper clip.



Note what it looks like.

**How many paper clips
were you able to suspend
on the water's surface?**





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Sprint & Long Jump Event #4

Read the directions through before you begin this event. How fast do you think you can get a water drop to the finish line? How long can you stretch a water drop before it breaks?

DIRECTIONS - Place a drop of water on the start circle. Pick up the page and see how fast you can get the water drop from the start to the finish line without going outside the lines. Second part of this activity is the water stretch. Place a drop of water on the circle. Take a tooth pick and see how far you can stretch the water before it breaks.



Note what it looks like.

How fast did you get through the course?

How long can water stretch?



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Score Card



Name _____

EVENT #1

Pole Vaulting



(number of pennies)

EVENT #2

Balance Beam



(number of drops)

EVENT #3

Backstroke



(number of paper clips)

EVENT #4

Sprint & Long Jump



(how fast)

(how far)

H₂O OLYMPIANS

Score Card



Name _____

EVENT #1

Pole Vaulting



(number of pennies)

EVENT #2

Balance Beam



(number of drops)

EVENT #3

Backstroke



(number of paper clips)

EVENT #4

Sprint & Long Jump



(how fast)

(how far)

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ADHESION - is the tendency of dissimilar particles or surfaces to cling to one another



COHESION - refers to the tendency of similar or identical particles/surfaces to cling to one another



WATER MOLECULE - is the most abundant compound on Earth's surface, covering about 70 percent of the planet, a water molecule is made up of two hydrogen atoms and one oxygen



SURFACE TENSION - is a contractive tendency of the surface of a liquid that allows it to resist an external force

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