

# Agung's Toothpicks

1. Make sure you have the following materials:

- ◆ Six toothpicks
- ◆ Cup of water
- ◆ Dropper (straw)



2. BEND each of the six toothpicks in half so that one side breaks, but the other side is still attached. You should have 6 Vs.

V    V    V    V    V    V

3. Arrange the toothpicks in a circle with the points of the Vs in the middle. The toothpicks should be close, but not touching.



Draw what your toothpicks look like arranged in a circle:

4. Carefully place one drop of water in the center of the toothpick circle. Make sure the water comes in contact with each of the toothpick points. (If the water did not come into contact with all six points, you may put one more small drop on the dry toothpick ends).

5. OBSERVE what happens for 10 seconds.

6. Draw what your toothpicks look like NOW:

7. In words: How did the water affect the toothpicks?

8. Why do you THINK this happened?

9. How could you find out more about what happened?