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| **Demonstration** | **Detailed observations** | **What is curious and what questions do you now have?** | **Property and explanation** |
| Pour 10ml of water into a test tube. Look at the surface closely. Describe what you observe. |  |  | Property:  Explanation: |
| Place a 2 pence piece on the table and slowly add drops of water using a Pasteur pipette. How many drops can you add? Describe what you observe. |  |  | Property:  Explanation: |
| Take a 250ml beaker. Pour in roughly 200 ml of water. Place an ice cube in the water. Watch it carefully for a minute. Describe what you observe. |  |  | Property:  Explanation: |
| Half fill a small beaker with water. Use a spatula to lightly sprinkle sulphur on the water. Observe. Now add two drops of fairy liquid. Describe what you observe. | Note sulphur density is 2g/cm3 |  | Property:  Explanation: |
| Half fill a large beaker with water. Add 2 spatulas of salt and stir for 1 minute. Describe what you observe. |  |  | Property:  Explanation: |
| Half fill a paper cup with water. Then, using tongs to hold it, begin heating the cup with a Bunsen burner. Describe what you observe. |  |  | Property:  Explanation: |

**What makes water such an amazing molecule?**