

Penny

- 1) Wash your penny with soap, and dry well
- 2) Using the pipette, count and record how many drops of water you can place onto the penny before it spills off the penny.
- 3) Using the pipette, count and record how many drops of oil you can place onto the penny before it spills off the penny
- 4) Wash your penny with soap and water.

Mixing

- 1) Pour one of the beakers of black solution into the beaker of water. Observe and record what happens.
- 2) Pour the second beaker of black solution into the beaker of oil. Observe and record what happens.
- 3) Empty all beakers down the drain, wash with soap, and dry.

Burettes

- 1) Fill the water burette with the water from the water beaker. Make sure the stopcock is HORIZONTAL so it is closed!
- 2) Place the water beaker back under the burette.
- 3) Rub the balloon all over your hair to create static electricity on the balloon.
- 4) Turn the burette on just enough so that you get a steady stream of liquid.
- 5) Hold the balloon close to the stream of water, but do not let it touch the water! Move the balloon further away, and then closer to the stream several times. What do you notice? Observe and record.
- 6) Repeat with the rubbing alcohol burette and beaker.

Hot Plate

- 1) Place three drops of water on the hot plate – toward the center but off to the left.
- 2) Place three drops of rubbing alcohol on the hot plate – toward the center but to the right.
- 3) Get a timer set up (you can use your phone).
- 4) Turn the hotplate up all the way and start your timer.
- 5) Record how long it takes for the water and the alcohol drops to boil off.