**1)** PV = nRT Derive a formula to calculate density of a gas.

**2)** Put a marshmallow in the syringe, Luer lock and pull the back:

 What happened and why (KMT, particle model and gas laws).

**3)** Put hot water in the syringe, Luer lock and pull back fast but not out!

 What happened and why (KMT, particle model and gas laws).

**4)** Egg Demo

**5)** Coke Demo