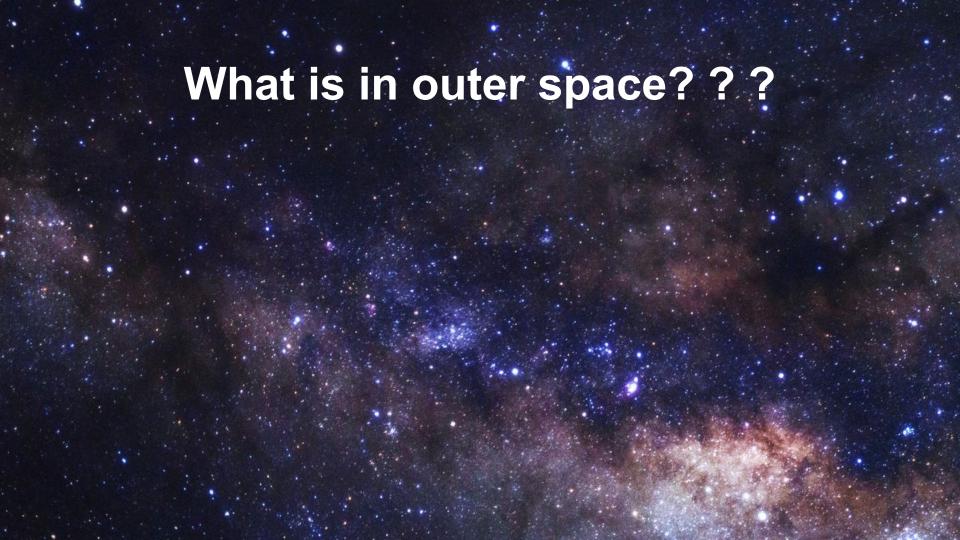
UW Science Explorers Physics and Astronomy Week 4



What is in outer space???

Planets!

Asteroids!

Stars!

comets!







Moon



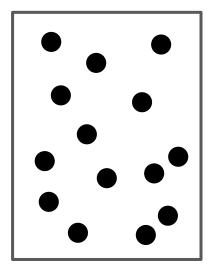
Earth

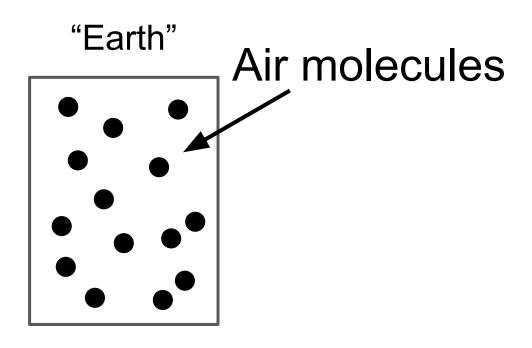


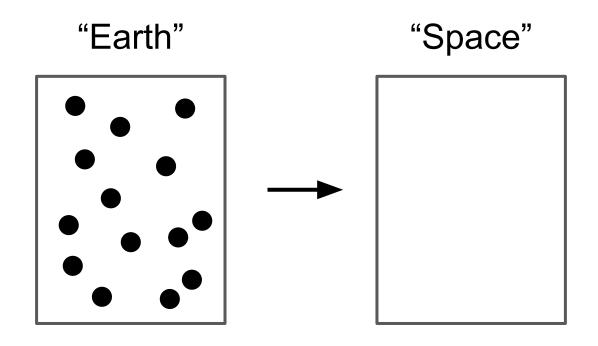
What is a vacuum?



"Earth"



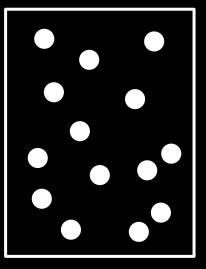








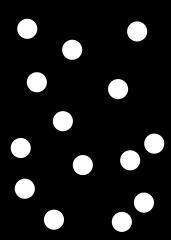
Air molecules

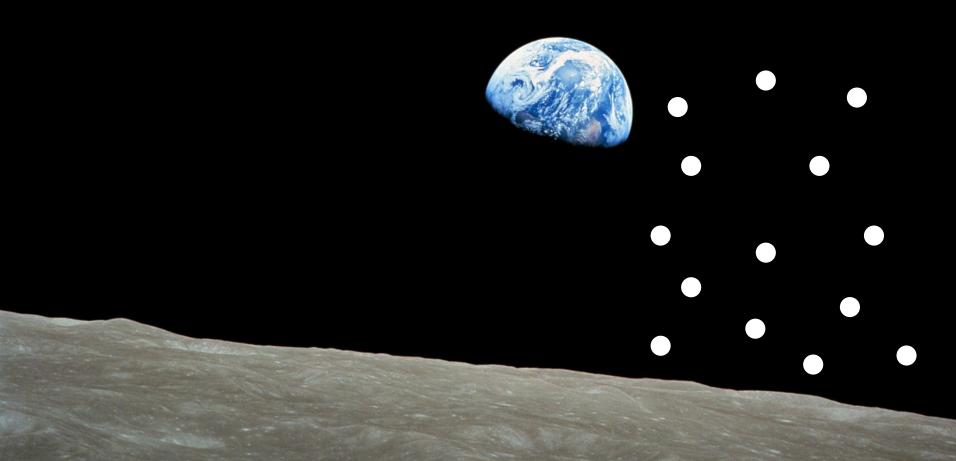


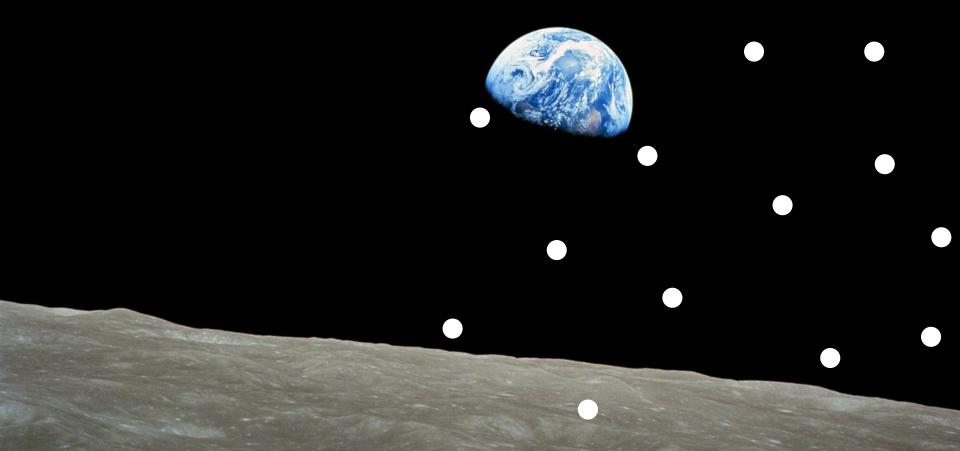
Air molecules EXPAND when they are in space!



Air molecules









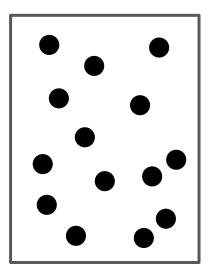


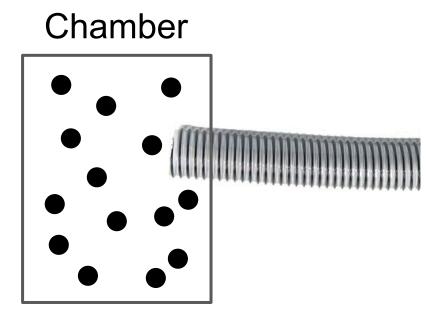


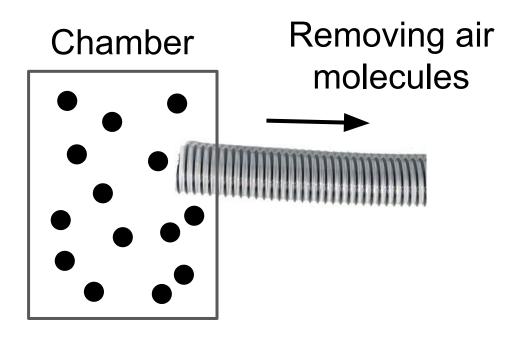


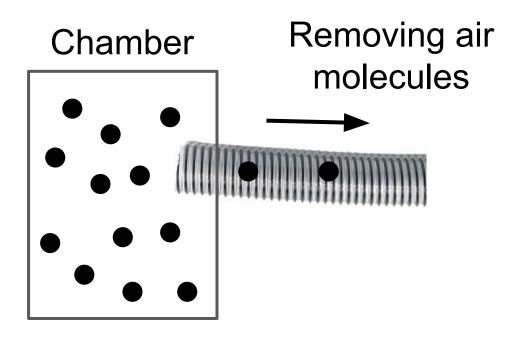


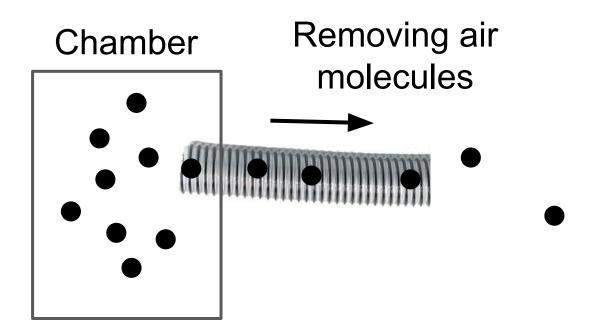
Chamber

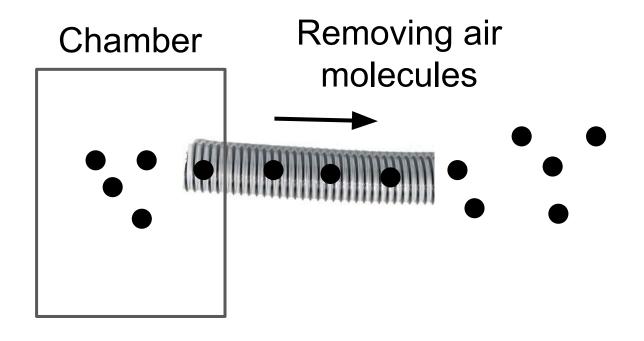


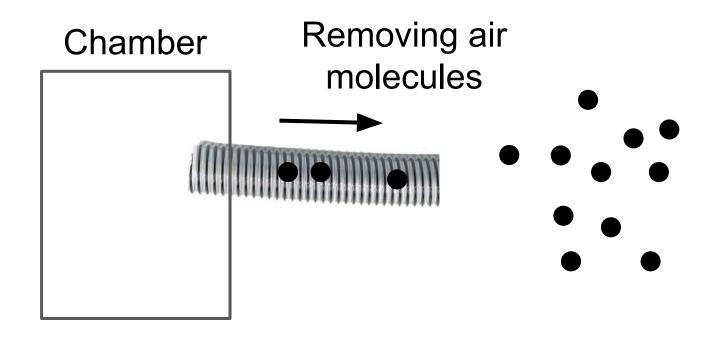


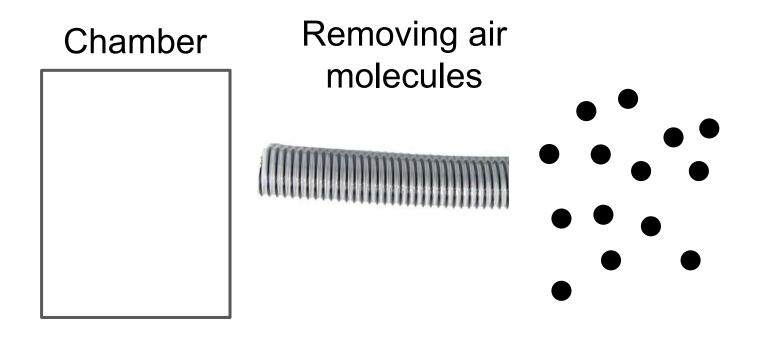


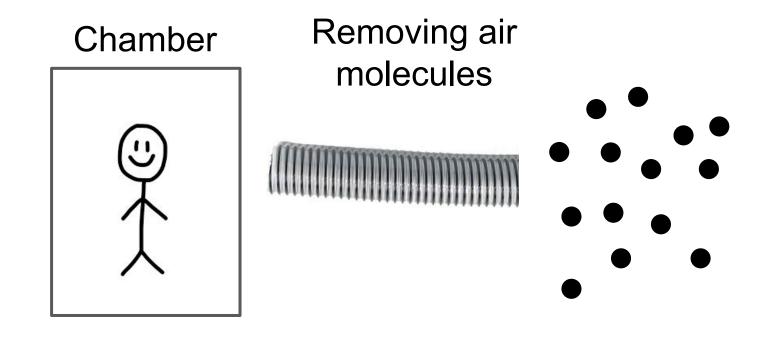














Experiment 1:
Building your very own vacuum chamber!



Experiment 2: Test the effects of a vacuum on different objects



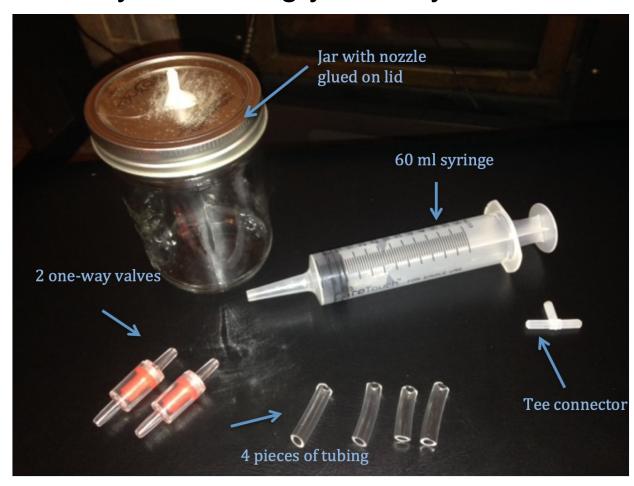




Be careful with the lids on your jar! Also, there is rubber!



Activity 1: Building your very own vacuum chamber!



Questions:

- What is each part for?
- 2. How can you figure out which way air can go through the one-way valves?
- 3. How does the syringe make a vacuum?

Activity 2: Exploring the effect of a vacuum







What tissue/organs might these be modeling?