

Under Pressure: What happens when you take the air away?

8X



Plants can survive on Earth, but when they go to Mars they're on a different turf.

(Sarah, Will, Tina)

8Y



Want to find out how ice cream is without much pressure around it???

(Leigh, Quinn, Behare)

8Z



How does water pressure affect air's expansion (in space)? - We used a balloon submerged in water to model this, and

results were intriguing!
(Dhruva, Ava, Olivia, Nick)



What if a spaceship broke apart in the middle of the mission? Using two types of glue as a model for fixing the spaceship.
(Max L, Philip)



Imagine if all of the air in a room you are in would be sucked out - what would happen to your body? - We wanted to demonstrate this with Expo Markers
(Elinor, Jack, Kendall, Eva)



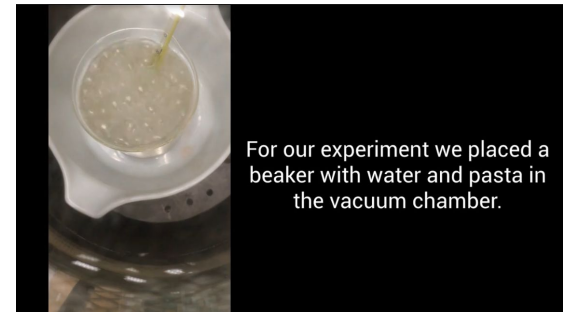
Humans on Mars!?!?! - Will your skin do anything to protect you? Experiment with grapes.
(Ana, Ava L, Emma F)



“Will insulation in spaceships help you survive in space?”
(Jean and Sydney)

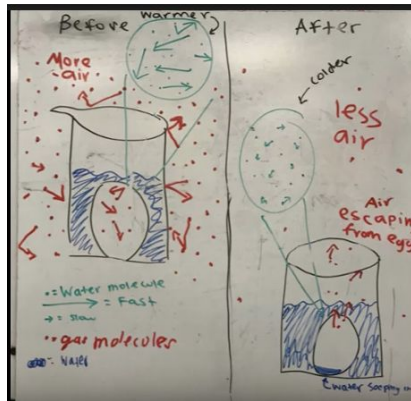


Can you eat whipped cream on mars? Watch this video to find out!



Have you ever wondered if you can cook without heat and just boiling water?
(Bela, Michaela, Katya)

[\(Campbell and Josh\)](#)



[Eggs... in Space!](#)
[\(Erica and Lindy\)](#)

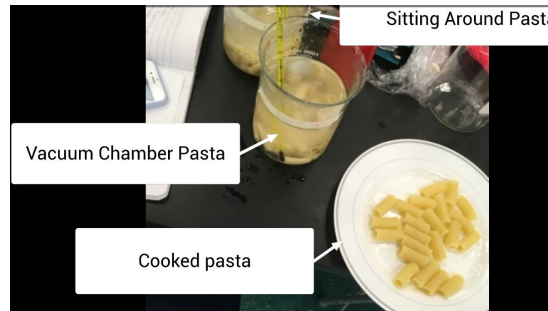
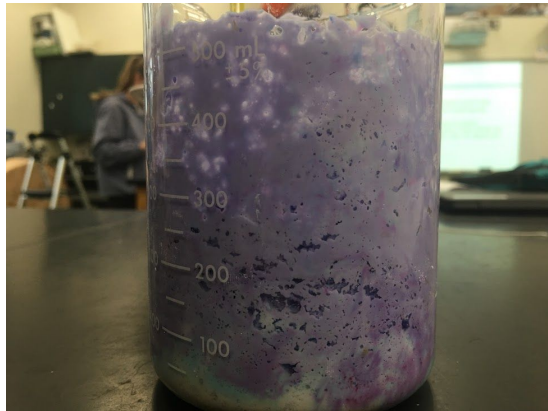


[Have you ever wondered what a brain would look like in space? We tried to model that by using a vacuum chamber and jello.](#)

[\(Max S, Maddie, Roshan\)](#)

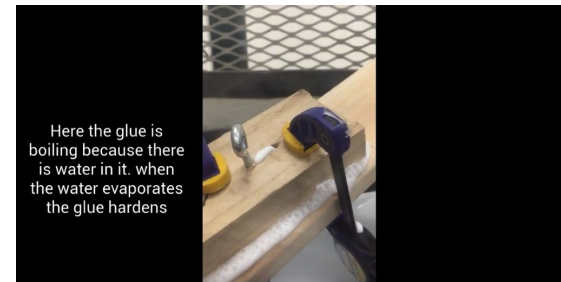


[Is *The Martian* as realistic as it seems?](#)
[Watch our video and find out!](#)
[\(Zoe and Ali\)](#)



[Have you ever wondered if you could cook pasta on mars? We have been wondering this as well, so we did an experiment to find out if you could.](#)

[\(Alexa and Emma J\)](#)



[\(Noah, Nate, Arman\)](#)

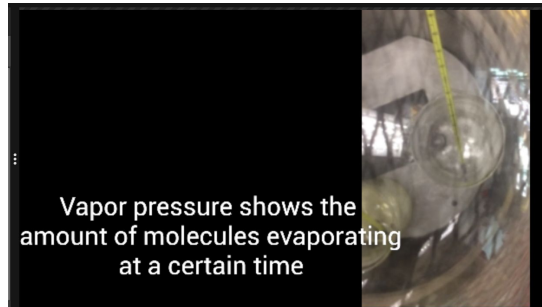
Hey have you ever wondered what would happen if you were to throw oobleck into space?
(Cassie, Laila, Harry)

https://drive.google.com/open?id=1DuwF2zhsgMYf3pzATBCKsFO-y5uWQ3_O



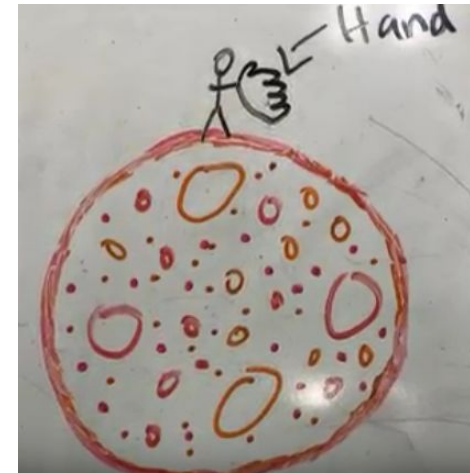
The pressure on the outside of the shaving cream got sucked away.

What happens to astronauts when they want to shave in space?
(Josh, Samir, Declan)

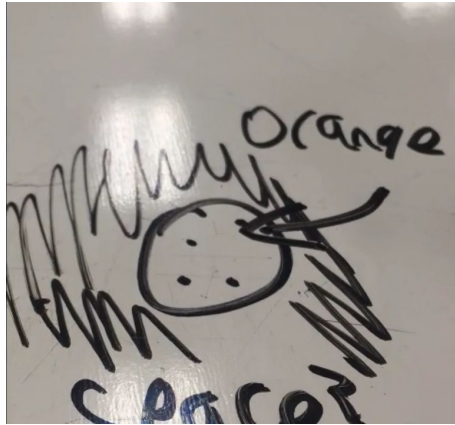


Vapor pressure shows the amount of molecules evaporating at a certain time

Try to drink in space, how do astronauts do it if this happens to your drinks?
(Lachlan and Tianhao)



What will happen to your body if you were on mars without a spacesuit??
(Anders and Max)



What would it be like to be in the
openness of space **without a
spacesuit?! Find out as we dive into the
science of... oranges?
(Vernon and Noah B)**