Pressure Around Us

WATIE OLFERT

UBC PHYSICS AND COMPUTER SCIENCE

What is pressure?

Pressure is how much something pushes at a given point on a surface.

Changing Pressure

Adding/removing particles

Changing Pressure

- Adding/removing particles
- Changing size of container

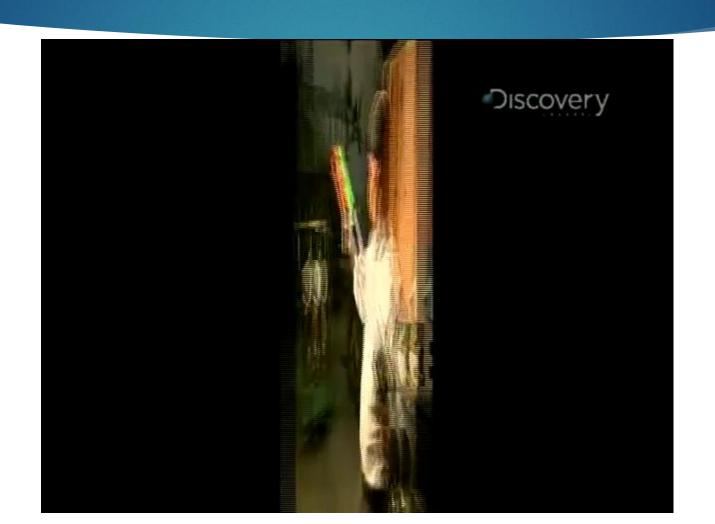
Changing Pressure

- Adding/removing particles
- Changing size of container
- Adding/removing energy

Pressure in Action

Air Pressure in a Tire

Water Guns

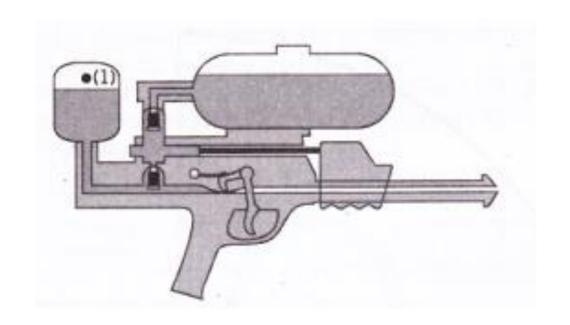


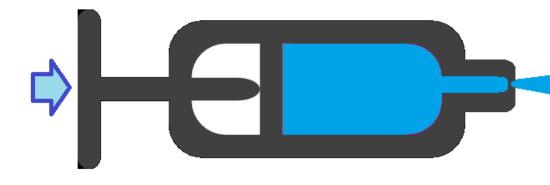
Water Guns





Water Guns





Pressure Cooking!

DEMONSTRATIONS

Cooking with Pressure

Stir Stick Smack

Poking Bottles

Upside-down Flask

DEMONSTRATIONS

Cooking with Pressure

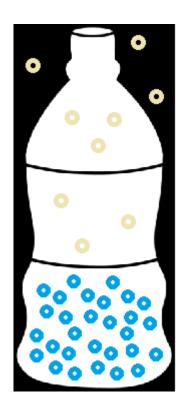
Stir Stick Smack

Poking Bottles

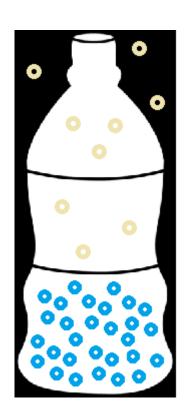
Upside-down Flask

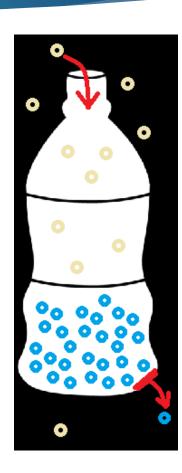
Explanation

Open Lid

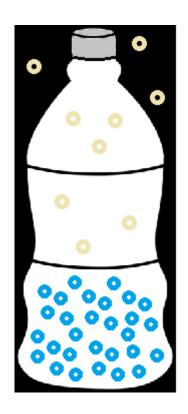


Open Lid

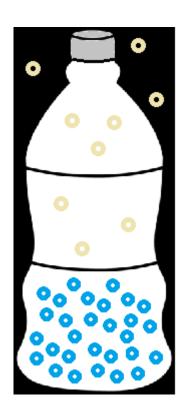


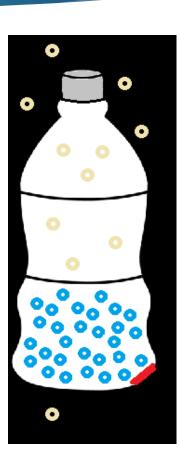


Closed Lid

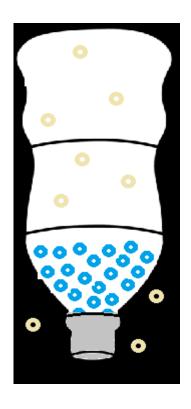


Closed Lid



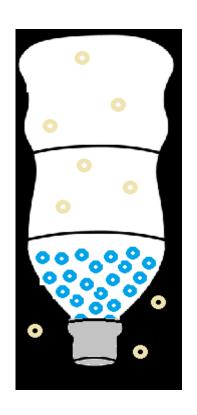


Larger Holes

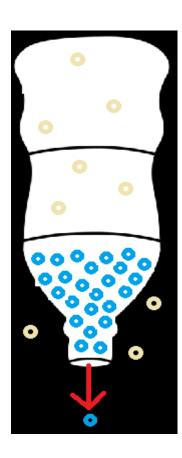


Remove Cap

Larger Holes



Remove Cap



DEMONSTRATIONS

Cooking with Pressure

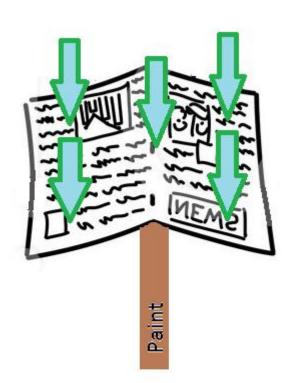
Stir Stick Smack

Poking Bottles

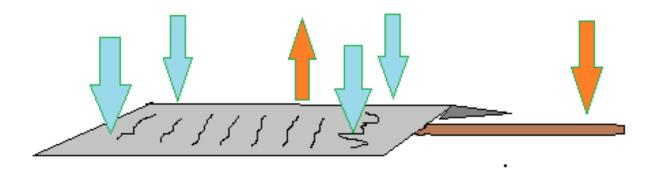
Upside-down Flask

Explanation

Atmospheric Pressure



Atmospheric Pressure



DEMONSTRATIONS

Cooking with Pressure

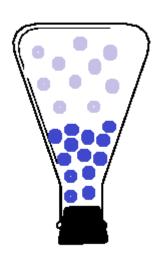
Stir Stick Smack

Poking Bottles

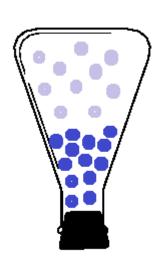
Upside-down Flask

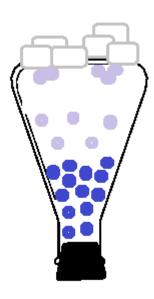
Explanation

Lower Pressure

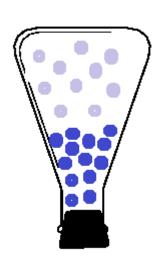


Lower Pressure

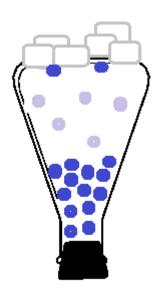




Lower Pressure







DEMONSTRATIONS

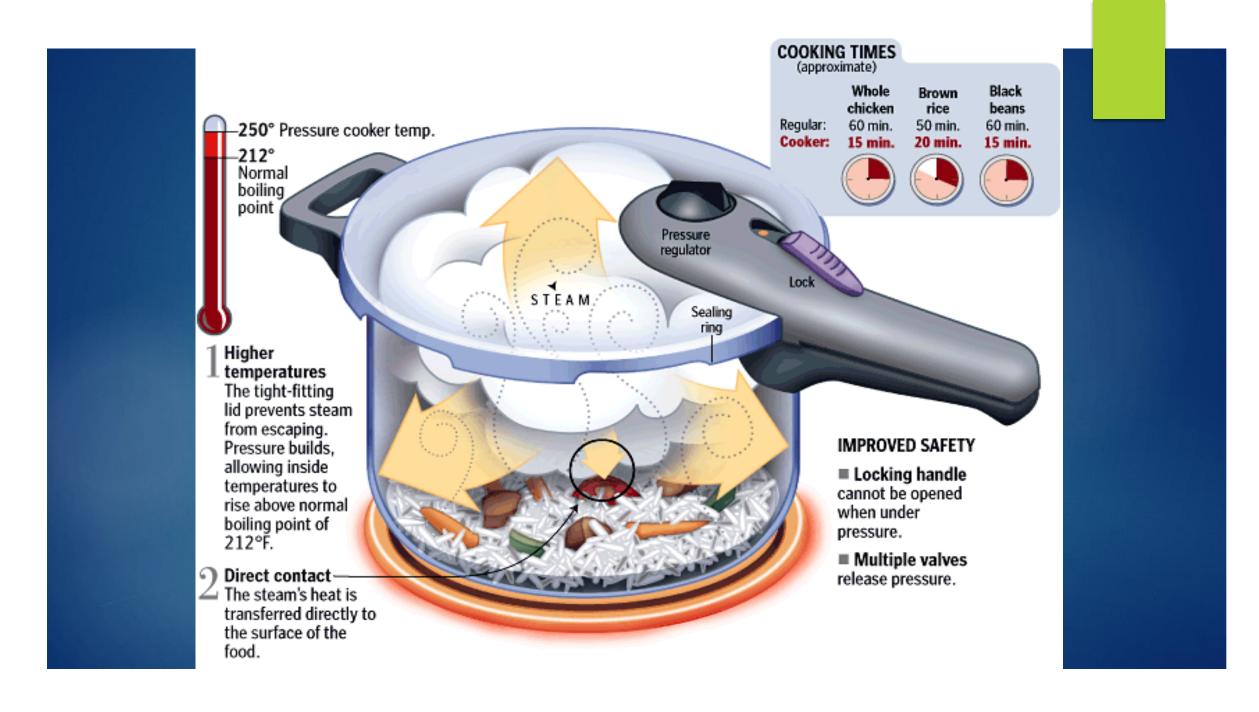
Cooking with Pressure

Stir Stick Smack

Poking Bottles

Upside-down Flask

Explanation



Have a good day!