

8th Grade Physical Science

Notes November 10, 2009

Summary of the Gas Laws

Boyle's Law ->

for a fixed amount of gas

<-Charles's Law

- constant temperature
- pressure changes affect volume
- pressure increases (applied) leads to a decrease in volume
- pressure decreases (release) leads to an increase in volume

- constant pressure
- temperature changes affect volume
- temperature increases (hotter) leads to an increase in volume
- temperature decrease (colder) leads to a decrease in volume