

## Review

Hypothesis - is an educated guess that can be tested in an experiment.

Ex) If .....then

"If students complete homework more frequently, then they will earn higher grades on quizzes and tests."

Theory - is based on observations (Beliefs). Ex) Big Bang

Laws - are based on observations that have been determined true.

Ex) Newton's Laws, Math Equations, Communalive law. Law of preservation of an equation

[Fact vs. Theory vs. Hypothesis vs. Law... EXPLAINED! \(youtube.com\)](#)



[What's the difference between a scientific law and theory? - Matt Anticole \(youtube.com\)](#)



# Acceleration

[What is Acceleration? \( Physics in simple terms \) - YouTube](#)



is the rate at which velocity changes

-Measured in  $m/s^2$

-Speeding up or slowing down

-Even if you keep the same speed but change direction then you have acceleration



$$\text{Acc} = \frac{V_{\text{final}} - V_{\text{initial}}}{\text{time to change}}$$

## Attachments

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BillNyetheScienceGuy - MAGNETISM WS.doc

BillNyetheScienceGuy - ENERGY WS.doc

BillNyetheScienceGuy - GRAVITY Ws.doc

Grade 8 Research Hypothesis Theory Law.docx