

# JH Physical Science Study Guide

## Chapter 1 & 2

Remember, study the entirety of the information. Don't simply study the "easy way" for example, Quizlet. Study to understand the concept not simply memorize information. If I ask questions in a different way that you memorized... oh my!

### What do I need to study for this exam?

1. PPT Notes – Chap 1 Chap 2
2. Worksheets – 13-17,19,20,22-24, misc other ws
3. Quizlet Sets – NTK Units & Formula Chap 1 & 2,
4. CHI Verses – None
5. Greek & Latin Terms – None
6. Classification – None
7. Screencasts – – Chap 1 Metric System, Chap 1 Motion, Chap 2

Some possible Essay Questions MIGHT include (but are not limited to):

1. Explain the required steps in completing word problems
2. Compare and contrast the terms Speed and Velocity.
3. Explain the variables found in the formula for acceleration.
4. Briefly explain the 3 types of acceleration.
5. What's the difference between mass and weight?
6. Explain why the mass of an object stays the same while its weight differs when the object is in orbit.
7. How are Force & Gravity related?
8. Briefly explain Newtons 3 Laws of Motion.

### Unit Concept Map:

1. Speed
2. Velocity
3. Average Speed
4. Density
5. Slope
6. Acceleration
7. Force
8. Weight
9. Momentum

**NTK Formulae**  
Know the formula & recognize units

1. Meter
2. Liter
3.  $\text{cm}^3$
4. Celsius
5. Newton
6. Gram