

JH Physical Science Study Guide

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 18
2. Worksheets – pg 44,51,50,54
3. Quizlet Sets – Chap 18 Atoms & Bonding,
Chap 18 Practice Problems
4. CHI Verses – none
5. Greek & Latin Terms – none
6. Screencasts – Chap 18

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

1. Explain the evolution of the atom model as it progressed from ancient Greek times to the modern model of the atom.
2. Compare and contrast ionic and covalent bonds.
3. Discuss the different varieties of ions.
4. Explain how binary formulas of cations and anions are calculated. Explain what the binary formula would be for the ions Ni^{+3} and O^{-2} .
5. What is a "Quark"? How do they related to the composition of protons & neutrons?

7. Unit Concept Map: