


Wednesday, April 15/15  
Science 122

<http://mvhs-sherrard.weebly.com/>  


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1. Questions?

Worksheet: Fluids - The Equation of Continuity

Cutnell - Page 332 #56, 57, 58, 59

Worksheet - Fluids - Continuity and Bernoulli's Equations

Worksheet - Fluids - Continuity and Bernoulli's Equations #2


2. **Test - Fluid Mechanics: \*Moved from Friday to Monday.**

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3. Topic 5 - Nuclear Physics



Wednesday, April 15/15  
Physics 122/121

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1. Quiz: U2-S1 (Projectiles) -> Rewrite: IS - Today, April 15/15
  2. Questions?  
Worksheet - Circular Motion
  3. Unbanked and Banked Curve Problems
  4. [Worksheet - Unbanked and Banked Curve Problems - HW](#)
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5. Universal Law of Gravitation



Wednesday, April 15/15  
Science 10

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1. Quiz - Friday - Topics were provided yesterday.
  2. Lab Safety Contract
  3. Lab - Types of Reactions -> 2 Days
  4. Worksheet - Counting Atoms (Front Side)
  5. Worksheet - Balancing Chemical Reactions (Front Side)
  6. Worksheet - Formation and Decomposition Reactions
  7. Worksheet - Single and Double Replacement Reactions
  8. Worksheet - Combustion Reactions
  9. Worksheet - Predicting the Products of Chemical Reactions
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10. Reaction Rates

## Quiz - Compounds and Reactions

1. Be able to identify ionic and molecular compounds. → or covalent

**ionic compounds** - generally begins with a metal



-> simple binary

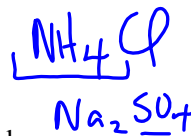
-> involving polyatomic ions

-> involving multivalent metals

(roman numerals 1 to 10 required) ←

-> involving polyatomic ions and

multivalent metals



**molecular compounds** - begin with a nonmetal or metalloid

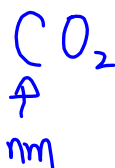
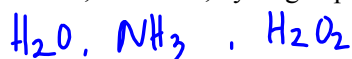
-> binary

-> prefixes 1-10

-> diatomic molecules (hydrogen, nitrogen, oxygen, fluorine, chlorine, bromine and iodine)

-> S<sub>8</sub>, P<sub>4</sub>

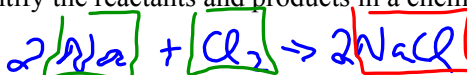
-> water, ammonia, hydrogen peroxide



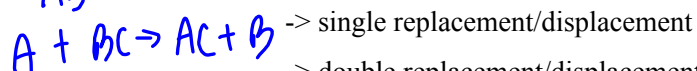
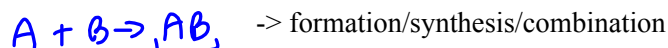
2. Be able to write the names and chemical formulas for ionic and molecular compounds.



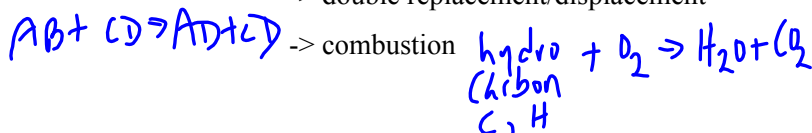
3. Be able to identify the reactants and products in a chemical reaction.



4. Be able to identify the five reaction types.



-> double replacement/displacement



5. Be able to balance chemical reactions.

6. Be able to predict the products of chemical reactions.

You'll need your 2 periodic tables.