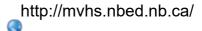
Physics 112

Tuesday, April 23/19



- 1. Return -> SA U2: S1&2
- 2. Questions?

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Worksheet: C5 - Momentum, Page 197: PP #29 C5 - Impulse Page 200: PP #30-32
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- 3. FA Momentum **7** Tomorrow FA Impulse
- 4. Impulse-Momentum Theorem
- 5. Worksheet Textbook: Page 203, PP #33-35 Textbook: Page 209, #37-45
- 6. MC Momentum, Impulse and Impulse-Momentum Theorem
- 7. Worksheet Extra Momentum, Impulse, Etc.

Physics 122 Tuesday, April 23/19

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- 1. Questions?
 - Series Circuits -> Worksheet: Practice Problems
 Parallel Circuits -> Worksheet: Practice Problems
 Combination/Complex Circuits -> Worksheet: Practice Problems
 Circuit #1 and #2
- 2. SA Electric Circuits Date: Thursday, April 24/19
- 3. Worksheet Circular Motion
- 4. Unbanked Curves and Centripetal Force
- 5. Banked Curves and Centripetal Force
- 6. Worksheet Unbanked and Banked Curve Problems

Science 122 Tuesday, April 23/19

http://mvhs.nbed.nb.ca/

- 1. SA Nuclear Physics -> Date: Tuesday, April 30/19
- 2. Electrochemistry
- 3. Reduction Reactions and Reducing Agents
- 4. Oxidation Reactions and Oxidizing Agents
- 5. Redox Reactions
- 6. Spontaneous Reactions
- 7. Generalizations: Oxidizing Agents and Reducing Agents
- 8. Table of Redox Half Reactions
- 9. Building Tables of Redox Half Reactions
- 10. Worksheet #63
- 11. 5 Steps for Predicting Redox Reactions
- 12. Worksheet #64

Science 10

Tuesday, April 23/19

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

- 1. SA Chemistry #3
 - Date: Wednesday, April 24/19
- 2. Check -> Review SA Chemistry #3
- 3. ABC Brainstorming: Chemistry Unit
- 4. Next Unit: Physics
- 5. Physics
- 6. Linear Motion
- 7. Physical Quantities
- 8. SI System of Units -> Fundamental/Base Units -> Derived Units
- 9. Scientific Notation
- 10. Certainty and Significant Digits
- 11. Rule for Counting SDs
- 12. Exact and Defined Values
- 13. Rounding Values
- 14. Worksheet Counting Significant Digits and Rounding
- 15. Certainty Rule for Multiplying and Dividing Measurements
- 16. Precision Rule for Adding and Subtracting Measurements
- 17. Worksheet Certainty and Precision Rules

Science 10 **Review – SA: Chemistry #3** (April 2019)

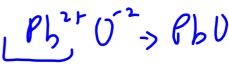
Part 1 – Multiple Choice

Print the letter of the best answer on the line provided.

(Value - 15)

 \Box . What is the correct name for the N³⁻ ion?

- a) nitrogen ion
- b) nitrate ion
- c) nitride ion
- d) nitrite ion
- 2. Which of the following compounds contains the lead (II) ion?
 - a) Pb₂O
 - b) PbO
 - c) Pb₂S
 - d) PbCl₄



3. Which is true about the composition of ionic compounds?

- a) They are composed of cations and anions.
- b) They are formed from two or more nonmetallic ions.
- c) They are composed of only anions.
- d) They are composed of only cations.

Which of the following is the correct name for N_2O_5 ?

- a) nitrous oxide
 - b) pentanitrogen dioxide
 - c) nitrate oxide
 - d) dinitrogen pentoxide

lonic cpd.

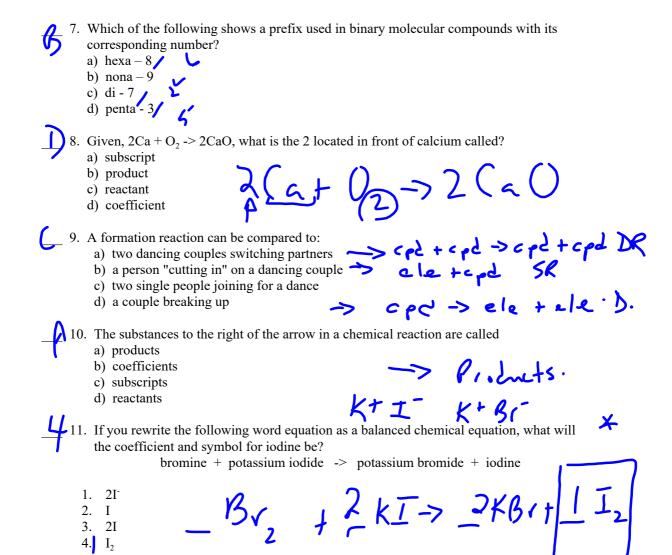
Which of the following formulas represents an ionic compound?

- a) CS₂
- b) PCl₃
- c) N_2O_4
- d) BaI₂

molecular Br-me.

6. Molecular compounds are usually

- a) composed of two nonmetals.
- b) composed of positive and negative ions.
- c) composed of a metal and a nonmetal.
- d) composed of two or more transition metals.



 \downarrow 12. What does the symbol \rightarrow in a chemical equation mean?

a) heat is supplied to the reaction

b) a catalyst is needed

c) yieldsd) precipitate

13.	3. Chemical equations must be balanced to satisfy the	
	a) Law of Definite Proportions	
	b) Law of Multiple Proportions	
	c) Law of Conservation of Mass	
	d) Principle of Avogadro	
14.	4. In every balanced chemical equation, each side of the equation has the	same number
M	of	
	a) atoms	
	b) molecules	
	c) coefficients	Λ
	d) subscripts	od reletele
Λ_{15}	5. Which of the following is NOT true concerning the decomposition of a	simple Linary
113.	compound?	Simple officially
•	a) The products are unpredictable.	$/M_{\star} + \ell l$
	b) Two or more products will be produced.	('''5'' ')
	o) I wo of more products will be produced.	\

c) The reactant is a single substance.

d) The reactant could be an ionic or a molecular compound.

Part 2 – Reaction Types

- a) Identify each type of chemical reaction by printing F for formation, D for decomposition, SR for single replacement, DR for double replacement, or C for combustion on the line provided.
- b) Balance each reaction.

Name of Compound	Formula of Compound	
	+10 (B; (Sa))x	-1
Silver phyphice	Ag_3P	I
bismuth (V) sufate	$Bi_2(SO_4)_5$	I
ammonium selenide	(NH4)2 Se	I
Mtyr	F ₂ CD-> Cubon houside	
molecular fluorine		M
nytrogen tri iodide	NI3 * pletixes.	M
zinc chloride	ZnClz	I
diselenium hexash	Se ₂ S ₆ Pretices.	M
barium borate Barium borate	3- Baz(Buz)2	1
tetrabromine octochloride	Br4 C/8	M
pentaphosphurus dech	P_5O_{10} +4 $M^{\dagger 4}$	W
	$Mn(CO_3)_2$	1
iron (III) arsenide	horn's	17
iron (III) arsenide	FeAs	工
molecular bromine	Bre	M
Have No Fe	or of Fac (Sld Brock] 7 . ~ .
112 No K2	U2 12 (12 B12	
Py	5	

Part 4 – Translating Word Equations and Sentences to Balanced Chemical Equations Use the following word equations and sentences to write balanced chemical equations.

- 2. tetracarbon decahydride + oxygen --- carbon dioxide + water
- 3. Barium metal reacts with nickel (III) fluoride to produce barium fluoride and nickel metal.
- 4. Niobium (V) iodide yields niobium metal and iodine.
- 5. Hydrogen bromide combines with calcium hydroxide to produce calcium bromide and water.