

Science 122

Monday, December 19/16

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



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



1. SA - Nuclear Physics
2. Worksheet - Thermal Expansion
3. Macroscopic Description of Gases
4. Gas Laws
5. Worksheet - Gas Laws

Cutnell - Page 412 - Problems

- #9. 1.0×10^3 kg
- #10. 304 K
- #11. 2.3×10^{-2} mol
- #13. a) 202 mol, b) 1.22×10^5 Pa
- #15. 2.5×10^{21}
- #16. 0.140 m
- #18. 39

Physics 112

Monday, December 19/16

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



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



-
1. Questions? Worksheet: Power and Efficiency
 2. Conservation of Energy -> Examples - Continue
 3. Worksheets - Conservation of Energy
 4. SA - U3 S3&S4: Thursday, Dec. 22/16
-

Physics 122

Monday, December 19/16

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



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



-
1. Worksheet - Kepler's Laws
Worksheet - C12: Universal Law of Gravitation
- Page 580, PP#1-7
Worksheets - Kepler, Universal Gravitation, Etc.
 2. Experiment 8.1 - Kepler's Laws - Page 49
 3. SA - Circular Motion and Universal Gravitation
- Thursday, Dec. 22/16
-

Science 10

Monday, December 19/16

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



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



1. Questions? **Physics Quiz #3 - Topics**
 - Tuesday, Dec. 20/16
 - Fill in Blanks, Chart, Problems, Graphs

2. Roller Coasters

Quantity	Type	Symbol	SI Unit
time	scalar	t	s
distance	scalar	d	m
speed	scalar	v	m/s
position	vector	\vec{r}	m
displacement	vector	$\Delta\vec{d}$	m
velocity	vector	\vec{v}	m/s
acceleration	vector	\vec{a}	m/s ²