

**** Need an activity re a course topic before the end of May.**

1. Quiz: Hydrodynamics -> Mike C., Mike N., Kurtis

2. **Cutnell - Page 366 - Problems**
Linear Expansion

* Do not use α values for SD's.

- #9. 0.084 m
- #11. 1.5×10^3 m
- #12. b) 17/10000 or 0.0017
- #13. 108.2 C°
- #15. -2.82×10^{-4} m
- #17. 49°C
- #19. 2.0026 s (need extra digits to see change in period)

Cutnell - Page 412 - Problems
Ideal Gas Law

- #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

3. Kinetic Theory of Gases

4. **Cutnell - Page 413**

- #28. 415 m/s
- #30. 746 K
- #31. 1.2×10^4 m/s
- #32. 2.098
- #33. 3.87×10^5 J
- #36. 5.0×10^1 s

5. Laws of Thermodynamics

