Dec 6: Pizza and ice cream

PUSH YOUR COMPUTERS TO THE CENTER OF THE TABLE AND DON’T SPILL!!!!!!
Liquid Nitrogen: Boiling point 77K

\[ \Phi V = nRT = NkT \]

\[ \frac{V}{T} = \text{Const} \]

\[ \frac{V_{300}}{300K} = \frac{V_{77K}}{77K} \]

\[ \frac{V_{77K}}{V_{300}} = \frac{77}{300} - \frac{1}{T} \]
Leidenfrost Effect

\[ \frac{1}{4} n A \vec{v} \]

\[ \frac{N}{V} = \frac{6 \times 10^{23}}{2 \times 4.1 \text{ liters}} \]

\[ \frac{3}{2} kT = \frac{1}{2} m \vec{v}^2 \]
For those who are going into the regular section of 0175 next semester:

We covered very similar material to 0174 this semester. The main thing we did not do is waves (will do next semester).

If you go to the regular section of 0175, review waves in Halliday and Resnick (the text for regular section)
Final Info:

Tuesday, Dec 11, 10:00-11:50 here in Thaw 210

Bring calculator

Covers Chapters 1-11

Review tomorrow in class