

Thermodynamics I – EGN 3343s2/701 Fall 2020 Quiz 3

Name sct1@ust.edu Fill in Last 4 digits of U# →

By writing my name above, I agree to the terms of academic dishonesty punishment as outlined in the most recent revision of the syllabus and the submission of this quiz constitutes my acceptance of the punishments outlined in the event of a violation.

(A) Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. **Key Info: 1 furlong = 201.168m and 1 firkin = 40.8233kg**

BONUS: (Only attempt when completely done and VERY bored) – The system also wants units of US Tons/femtoparsec³. A parsec is a unit of distance, not time. 1 femtoparsec = 101.236 feet. 1 ton = 2000 lbs.)
(Pro-tip: Watch the units of what is being asked and what you are given. Use the info given.)

Last 4 Digits U#			
5	4	6	9
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

Pencil Test.

The Weather report on the Tatooine suggested another hot day of 69° Jawa (°J). In this new temperature system, the Normal boiling point of water is 121.8°J and the normal freezing point of water is -40°J. (B) Is this a Relative of Absolute temperature scale? (C) What is the current temperature on Tatooine in °C?

(Pro-tip 2: draw a picture with the temperature scales to better illustrate the problem.)