

Unit 01:
Thermodynamics
,
Mechanics,
and Energy
Conversion

Author: Steve Gibbs

Create, Share, and Discover Online Quizzes.

QuizOver.com is an intuitive and powerful online quiz creator. Learn more
Professor @The Saylor Foundation

Join QuizOver.com

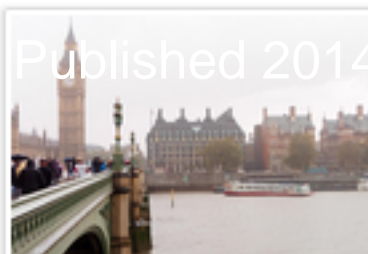


How to Analyze Stocks

By Yasser Ibrahim

1 month ago
12 Responses

© 2015: Thomson Mohr



Pre Employment English

By Katharina jennifer N

5 months ago
19 Responses

© 2015: Albin



Lean Startup Quiz

By Yasser Ibrahim

2 months ago
16 Responses

© 2015: Globalize Quiz

Disclaimer

All services and content of QuizOver.com are provided under QuizOver.com terms of use on an "as is" basis, without warranty of any kind, either expressed or implied, including, without limitation, warranties that the provided services and content are free of defects, merchantable, fit for a particular purpose or non-infringing.

The entire risk as to the quality and performance of the provided services and content is with you.

In no event shall QuizOver.com be liable for any damages whatsoever arising out of or in connection with the use or performance of the services.

Should any provided services and content prove defective in any respect, you (not the initial developer, author or any other contributor) assume the cost of any necessary servicing, repair or correction.

This disclaimer of warranty constitutes an essential part of these "terms of use".

No use of any services and content of QuizOver.com is authorized hereunder except under this disclaimer.

The detailed and up to date "terms of use" of QuizOver.com can be found under:

<http://www.QuizOver.com/public/termsOfUse.xhtml>

eBook Content License

Dr. Steve Gibbs. Thermal-Fluid Systems. The Saylor Foundation, <http://www.saylor.org/courses/me303/>

Creative Commons License

Attribution-NonCommercial-NoDerivs 3.0 Unported (CC BY-NC-ND 3.0)

<http://creativecommons.org/licenses/by-nc-nd/3.0/>

You are free to:

Share: copy and redistribute the material in any medium or format

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

Attribution: You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

NonCommercial: You may not use the material for commercial purposes.

NoDerivatives: If you remix, transform, or build upon the material, you may not distribute the modified material.

No additional restrictions: You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

Table of Contents

Quiz Permalink: <http://www.quizover.com/question/unit-01-thermodynamics-mechanics-and-energy-convers-by-the-saylor>

Author Profile: <http://www.quizover.com/user/profile/steve.gibbs>

1. Unit 01: Thermodynamics, Mechanics, and Energy Conversion

4. Chapter: Unit 01: Thermodynamics, Mechanics, and Energy Conversion

1. Unit 01: Thermodynamics, Mechanics, and Energy Conversion Questions

4.1.1. The equation of continuity is a mathematical expression of _____...

Author: Steve Gibbs

The equation of continuity is a mathematical expression of _____.

Please choose only one answer:

- Conservation
- Generation or production
- Time evolution
- Hospitality
- Confluence

Check the answer of this question online at QuizOver.com:

Question: [The equation of continuity is a mathematical Steve Gibbs Saylor Thermal](#)

Flashcards:

<http://www.quizover.com/flashcards/the-equation-of-continuity-is-a-mathematical-steve-gibbs-saylor-therma?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/the-equation-of-continuity-is-a-mathematical-steve-gibbs-saylor-therma?pdf=3044>

4.1.2. Which of the following occurs during the process of a thermodynamic...

Author: Steve Gibbs

Which of the following occurs during the process of a thermodynamic cycle?

Please choose only one answer:

- Mass is exchanged to perform work.
- Pressure oscillates.
- Pressure and temperature remain constant.
- Heat and/or work are exchanged with no net change in state variables.
- No net mass flow occurs.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which of the following occurs during the Steve Gibbs Saylor Foundat](http://www.quizover.com/question/which-of-the-following-occurs-during-the-steve-gibbs-saylor-foundat?pdf=3044)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-occurs-during-the-steve-gibbs-saylor-foundat?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-occurs-during-the-steve-gibbs-saylor-foundat?pdf=3044>

4.1.3. Correlations for convective heat-transfer coefficients are often re...

Author: Steve Gibbs

Correlations for convective heat-transfer coefficients are often represented by Nu defined by which of the following?

Please choose only one answer:

- k/hD
- $\mu / \rho D$
- $h L / k$
- $k L / h$
- $\mu R / \nu$

Check the answer of this question online at QuizOver.com:

Question: [Correlations for convective heat-transfer Steve Gibbs @The Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/correlations-for-convective-heat-transfer-steve-gibbs-the-saylor?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/correlations-for-convective-heat-transfer-steve-gibbs-the-saylor?pdf=3044>

4.1.4. Calculate the Reynolds number for water flowing through a 1.5" diam...

Author: Steve Gibbs

Calculate the Reynolds number for water flowing through a 1.5" diameter pipe at 4.5 gallons per minute.

Please choose only one answer:

- 1500
- 2500
- 6500
- 9500
- 10500

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Calculate the Reynolds number for water Steve Gibbs Saylor Foundat](#)

Flashcards:

<http://www.quizover.com/flashcards/calculate-the-reynolds-number-for-water-steve-gibbs-saylor-foundat?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/calculate-the-reynolds-number-for-water-steve-gibbs-saylor-foundat?pdf=3044>

4.1.5. Which of the following is NOT a state variable?

Author: Steve Gibbs

Which of the following is NOT a state variable?

Please choose only one answer:

- Time/Date
- Temperature
- Specific volume
- Pressure
- Gibbs free energy

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which of the following is NOT a state variable Steve Saylor Foundat](http://www.quizover.com/question/which-of-the-following-is-not-a-state-variable-steve-saylor-foundat?pdf=3044)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-is-not-a-state-variable-steve-saylor-foundat?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-is-not-a-state-variable-steve-saylor-foundat?pdf=3044>

4.1.6. Which thermodynamic cycle is most closely associated with the opera...

Author: Steve Gibbs

Which thermodynamic cycle is most closely associated with the operation of steam turbines?

Please choose only one answer:

- Otto
- Rankine
- Diesel
- Stirling
- Lenoir

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which thermodynamic cycle is most closely Steve Gibbs @The Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/which-thermodynamic-cycle-is-most-closely-steve-gibbs-the-saylor?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/which-thermodynamic-cycle-is-most-closely-steve-gibbs-the-saylor?pdf=3044>