

5. Speculate on the way in which both the corporate-level strategy and the implementation strategy you recommended in Question 2 and Question 4 would support ethical business behaviors. Analyze the significant manner in which ethics, corporate social responsibility, and environmental sustainability impact the implementation of the strategies that you have recommended.

6. Use at least three (3) quality academic resources in this assignment. Note: Wikipedia and similar type Websites do not qualify as academic resources.

<http://www.homeworkmotivator.com/product/bus-599-week-9-assignment-3>

BUS 599 Week 6 Assignment 2

Assignment 2: Executing Strategies in a Global Environment: Examining the Case of Federal Express

Due Week 6 and worth 250 points

Review Case 7 "The Evolution of the Small Package Express Delivery Industry, 1973 – 2010", located in the textbook to complete this assignment.

Write a five to seven (5-7) page paper in which you:

1. Analyze Federal Express's value creation frontier, and determine which of the four building blocks of competitive advantage the company needs in order to continue to maintain above-average profitability. Provide a rationale to support the response.
2. Determine the main aspect of product differentiation and capacity control that Federal Express could use in order to maintain an edge over its rivals. Justify the response.
3. Assess the efficiency of Federal Express's current business model, and recommend one (1) new business-level strategy that gives the company a competitive advantage over its rivals. Provide a rationale for the recommendation.
4. Examine the manner in which overall global competition may impact the new business strategy that you recommended in Question 3. Next, suggest one (1) significant way that Federal Express may confront its global competition.
5. Use at least three (3) quality academic resources in this assignment. Note: Wikipedia and similar type Websites do not qualify as academic resources.

<http://www.homeworkmotivator.com/product/bus-599-week-6-assignment-2>

bus_599_week_3_assignment_1_yahoo_and_amazon_building_a_competitive_advantage

<http://www.homeworkmotivator.com/product/bus599week3assignment1yahoodamazonbuildingacompetitiveadvantage>

BUS 599 Week 3 Assignment

Due in Week 3 and worth 300 points

Bus 599 Course Guide Syllabus

M Tight

Bus 599 Course Guide Syllabus:

Graduate Catalog Number Kansas State Teachers College of Emporia. Graduate School,1970 **Resources in Education** ,1986 **Catalog** St. Cloud State College,1956 Annual Catalogue Kansas State College of Pittsburg,1964
Annual Catalogue St. Cloud State Teachers College,Minnesota. State Normal School (Saint Cloud),1956 *Catalog* Kansas State Teachers College of Emporia,1957 **Catalogue** Ohio State University,1958 Abstracts of Instructional Materials in Vocational and Technical Education ,1969 *Filmstrip Guide* H.W. Wilson Company,1950 *Graduate Catalog* Northern Illinois University,1974 **Catalogue** Northern Illinois University,1967 **Resources in Education** ,1997
Catalogue of the Officers and Students Eastern Michigan University,1958 **Abstracts of Research and Related Materials in Vocational and Technical Education** ,1969 This publication provides combined cumulative indexes to Abstracts of instructional materials in vocational and technical education AIM and Abstracts of research and related materials in vocational and technical education ARM *Current Index to Journals in Education* ,2001 **Catalog of Copyright Entries, Third Series** Library of Congress. Copyright Office,1978 Includes index **Research in Education** ,1974 **Directory of Special Libraries and Information Centers** ,2009 Government Reports Announcements & Index ,1985-12 Management Index ,1967

Immerse yourself in the artistry of words with Experience Art with its expressive creation, Discover the Artistry of **Bus 599 Course Guide Syllabus**. This ebook, presented in a PDF format (PDF Size: *), is a masterpiece that goes beyond conventional storytelling. Indulge your senses in prose, poetry, and knowledge. Download now to let the beauty of literature and artistry envelop your mind in a unique and expressive way.

<https://auld.rmj.com/book/book-search/index.jsp/1994%20jeep%20cherokee%20xj%20service%20repair%20workshop%20manual.pdf>

Table of Contents Bus 599 Course Guide Syllabus

1. Understanding the eBook Bus 599 Course Guide Syllabus
 - The Rise of Digital Reading Bus 599 Course Guide Syllabus
 - Advantages of eBooks Over Traditional Books
2. Identifying Bus 599 Course Guide Syllabus
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Bus 599 Course Guide Syllabus
 - User-Friendly Interface
4. Exploring eBook Recommendations from Bus 599 Course Guide Syllabus
 - Personalized Recommendations
 - Bus 599 Course Guide Syllabus User Reviews and Ratings
 - Bus 599 Course Guide Syllabus and Bestseller Lists
5. Accessing Bus 599 Course Guide Syllabus Free and Paid eBooks
 - Bus 599 Course Guide Syllabus Public Domain eBooks
 - Bus 599 Course Guide Syllabus eBook Subscription Services

- Bus 599 Course Guide Syllabus Budget-Friendly Options
- 6. Navigating Bus 599 Course Guide Syllabus eBook Formats
 - ePUB, PDF, MOBI, and More
 - Bus 599 Course Guide Syllabus Compatibility with Devices
 - Bus 599 Course Guide Syllabus Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Bus 599 Course Guide Syllabus
 - Highlighting and Note-Taking Bus 599 Course Guide Syllabus
 - Interactive Elements Bus 599 Course Guide Syllabus
- 8. Staying Engaged with Bus 599 Course Guide Syllabus
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Bus 599 Course Guide Syllabus
- 9. Balancing eBooks and Physical Books Bus 599 Course Guide Syllabus
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Bus 599 Course Guide Syllabus
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Bus 599 Course Guide Syllabus
 - Setting Reading Goals Bus 599 Course Guide Syllabus
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Bus 599 Course Guide Syllabus
 - Fact-Checking eBook Content of Bus 599 Course Guide Syllabus
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Bus 599 Course Guide Syllabus Introduction

In the digital age, access to information has become easier than ever before. The ability to download Bus 599 Course Guide Syllabus has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Bus 599 Course Guide Syllabus has opened up a world of possibilities. Downloading Bus 599 Course Guide Syllabus provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Bus 599 Course Guide Syllabus has democratized knowledge.

Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Bus 599 Course Guide Syllabus. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Bus 599 Course Guide Syllabus. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Bus 599 Course Guide Syllabus, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Bus 599 Course Guide Syllabus has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By

doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Bus 599 Course Guide Syllabus Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What is the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Bus 599 Course Guide Syllabus is one of the best book in our library for free trial. We provide copy of Bus 599 Course Guide Syllabus in digital format, so the resources that you find are reliable. There are also many eBooks related with Bus 599 Course Guide Syllabus. Where to download Bus 599 Course Guide Syllabus online for free? Are you looking for Bus 599 Course Guide Syllabus PDF? This is definitely going to save you time and cash in something you should think about.

Find Bus 599 Course Guide Syllabus :

[1994 jeep cherokee xj service repair workshop manual](#)

manuale di benvenuto

link belt excavator parts manual 160 lx

network marketing superstar

[suzuki f50 manual](#)

manuale di alta direzione

[lg 500g tracfone manual](#)

user manual sylvania telephone

boeing 777 systems manual

12 3 inscribed angles answers

6 hp mariner outboard 2 stroke manual

advanced pricing r12 student guide

2013 maths gcse paper edexcel

novel stars answer guide

saturn sc2 air conditioning manual

Bus 599 Course Guide Syllabus :

pdf agile manufacturing an overview researchgate - Aug 02 2022

web companies formed research discoveries are developed into commercial products and services creating economic and social benefits through the creation of spin out

short courses online courses city university of london - Oct 24 2021

web agile manufacturing and processes scheduled on january 15 16 2024 in january 2024 in london is for the researchers scientists scholars engineers academic scientific and

agile mumbai 2022 premier lean agile conference - Dec 26 2021

web taking a broad historical and analytical view our leadership and management course draws on the key principles of 21 st century management and applies them to real world

international conference on advanced and agile manufacturing - Jan 27 2022

web agile network india s agilemumbai com conference is one of the most important platforms for the lean agile community in india since its inception in 2019 agilemumbai

companies formed city university of london - Jul 01 2022

web jun 30 2023 abstract drawing on the dynamic capabilities perspective this study empirically investigates whether or not and how agile manufacturing contributes to

working towards agile manufacturing in the uk industry - Mar 09 2023

web may 20 1999 agile manufacturing since goldman et al 12 at lehigh university in the usa introduced the term agile manufacturing organisations have striven to gain

agile manufacturing city university of london - Aug 14 2023

web christos kloukinas department of computing city university london london united kingdom c kloukinas city ac uk abstract this paper describes the potential impact

working towards agile manufacturing in the uk industry - Feb 08 2023

web nov 27 1997 agility is easy but effective agile manufacturing is not abstract competitive advantage would be gained by those enterprises who are capable of

project management an introduction city university of - Jun 12 2023

web we have identified five enabling competencies as the agility enablers and practices of agile manufacturing that is transparent customisation agile supply chains intelligent

agile manufacturing an evolutionary review of practices - May 11 2023

web this paper describes research that tackles the problem of identifying what characteristics constitute agile manufacture and proposes a framework for evaluating and developing

international conference on agile manufacturing and processes - Sep 22 2021

agile software projects university of london - Sep 03 2022

web jan 1 2015 under such constraints agile manufacturing systems are desirable agile manufacturing uses technology organizational approaches systems and people in a

agile manufacturing an evolutionary review of practices - Apr 29 2022

web dec 7 2021 globalization of markets is posing competitive pressure on firms which leads them to adopt a new manufacturing paradigm termed agile manufacturing am the

achieving strategic agility london business school - Dec 06 2022

web assessment final year project exhibition 2020 anastasija msc lean and agile manufacturing jamie lean the challenges of studying part time at uwtsd key

lean and agile operations msc uwtsd university - Nov 05 2022

web agile manufacturing is a manufacturing methodology that places an emphasis on being able to quickly meet changing customer demands needs or wishes creating a

mechanical and design engineering beng hons city - Jul 13 2023

web this degree gives you the technical skills needed to design develop and operate advanced machines and mechanical engineering systems if you want to drive sustainable and

what is agile manufacturing a complete guide twi - Oct 04 2022

web agile software projects this module aims to provide insights and practice in software development using contemporary methods to produce software that meets the needs of

agility enhancement through agile manufacturing implementation - Mar 29 2022

web sarkis 1999 241 at this point agile manufacturing is perceived as a vital feature that businesses need in order to

maintain their competitive advantages in the new world

the effect of agile manufacturing on logistics performance the - Feb 25 2022

web jan 23 2023 advanced and agile manufacturing systems scheduled on january 21 22 2024 in january 2024 in london is for the researchers scientists scholars engineers

agile manufacturing and transformational capabilities for - May 31 2022

web academics and practitioners have long acknowledged the importance of agile manufacturing and related supply chains in achieving firm sustainable competitiveness

leadership and management course city university of london - Nov 24 2021

web short courses online courses part of the prestigious university of london federation city university of london is one of the most reputable providers of online evening and

agility is easy but effective agile manufacturing is not iet - Jan 07 2023

web understand what agility means in different contexts and which kinds of agility are relevant to your organisation apply tools and frameworks to boost your organisation s agility know

agile manufacturing a management and operational - Apr 10 2023

web may 20 1999 the articulation of a vision of mature agile manufacturing enterprises as the inevitable successor to mass production enterprises for many kinds of products the

government for everybody second edition perfection learning - May 01 2023

web government for everybody second edition an engaging readable and thorough course in u s government the concise reading passages high graphics to text ratio frequent

read free government for everybody second edition answer - Mar 19 2022

web oct 23 2023 and answer key second edition all in one grammar answer key italian edition basic english grammar student book with answer key international

read free government for everybody second edition answer - Nov 14 2021

web jan 25 2023 read free government for everybody second edition answer key read pdf free singapore primary mathematics answer keys 4a 6b math 5 test

government for everybody second edition answer key pdf - Oct 06 2023

web oct 8 2023 government for everybody second edition answer key 3 26 downloaded from uniport edu ng on october 8 2023 by guest second edition is the book written by

government for everybody second edition answer key pdf - Jun 02 2023

web mar 21 2023 as this government for everybody second edition answer key it ends occurring subconscious one of the

favored ebook government for everybody second

government for everybody second edition answer key pdf - Jan 17 2022

web mar 1 2016 there is a downloadable answer key for the study guide available on the publisher s website each chapter of the study guide also lists optional

download ebook government for everybody second edition - May 21 2022

web download ebook government for everybody second edition answer key pdf file free government for everybody second edition perfection learning horstmann c for

download free government for everybody second edition - Mar 31 2023

web mar 1 2023 it is your utterly own become old to play reviewing habit in the midst of guides you could enjoy now is government for everybody second edition answer key

government for everybody text pdf pdf united states - Sep 05 2023

web oct 6 2017 r 512 h or government for everybody second edition hardbound or r 512 txt or government for everybody second edition

read book government for everybody second edition answer - Aug 24 2022

web jan 25 2023 read book government for everybody second edition answer key pdf for free right here we have countless books government for everybody second

read free government for everybody second edition answer - Feb 15 2022

web apr 15 2023 read free government for everybody second edition answer key pdf for free cambridge igcse and o level economics 2nd book answer keys ngl life

read book government for everybody second edition answer - Jul 23 2022

web feb 21 2023 skills book 3 2nd edition answer key cultural geography tests answer key elder law answer book spanish 2 tests answer key 2nd edition grammar

online library government for everybody second edition answer key - Feb 27 2023

web jan 24 2023 online library government for everybody second edition answer key pdf free copy singapore primary mathematics answer keys 4a 6b math 5 test answer key 3rd edition e3 chemistry story of inventions answer key 2nd edition stories for young readers book 2 teacher s answer key math 4

read book government for everybody second edition answer - Dec 28 2022

web jan 28 2023 read book government for everybody second edition answer key pdf for free join kidskingdom edu sg author peter lang publishing company subject

read book government for everybody second edition answer - Aug 04 2023

web feb 4 2023 government for everybody second edition answer key and numerous ebook collections from fictions to scientific research in any way among them is this

download ebook government for everybody second edition - Sep 24 2022

web everybody coursera government for everybody second edition answer key free solutions for government for everybody second edition to entry all day is usual for

download ebook government for everybody second edition - Apr 19 2022

web apr 30 2023 download ebook government for everybody second edition answer key pdf file free chemistry 2nd edition solutions and answers quizlet second edition

read book government for everybody second edition answer - Nov 26 2022

web answer key pdf for free getting the books government for everybody second edition answer key now is not type of inspiring means you could not on your own going in the

teacher s manual and answer key government for everybody - Jul 03 2023

web paused you re listening to a sample of the audible audio edition learn more see this image teacher s manual and answer key government for everybody unknown

government for everybody second edition answer key - Oct 26 2022

web government for everybody second edition answer key 1 1 downloaded from insys fsu edu on july 24 2023 by guest epub government for everybody second edition answer key as recognized adventure as skillfully as experience virtually lesson amusement as competently as contract can be gotten by just checking out a book

government for everybody second edition answer key - Jan 29 2023

web this government for everybody second edition answer key as one of the greater part working sellers here will totally be accompanied by the best choices to review finally

where to download government for everybody second edition - Dec 16 2021

web apr 19 2023 everybody second edition answer key pdf for free government for everybody second edition government for everybody second edition perfection

government for everybody second edition answer key - Jun 21 2022

web government for everybody second edition answer key getting the books government for everybody second edition answer key now is not type of inspiring

4 e second law of thermodynamics exercises chemistry - Dec 31 2022

web aug 10 2020 it expands from a pressure of 4 5 atm to a pressure of 2 0 atm at the same temperature for a reversible process find the entropy change for the surrounding for an irreversible process calculate the entropy change for the universe

which against a constant external pressure of 2 0 atm

mcq on second law of thermodynamics mech learning - Jul 06 2023

web jun 8 2021 second law of thermodynamics give the definition of a pressure b enthalpy c entropy d internal energy answer c 2 the refrigerator and heat pump is work on which principle a first law of thermodynamics b second law of thermodynamics c third law of thermodynamics d zeroth law of thermodynamics answer b 3

second law of thermodynamics mcq quiz testbook com - Sep 08 2023

web aug 8 2021 get second law of thermodynamics multiple choice questions mcq quiz with answers and detailed solutions download these free second law of thermodynamics mcq quiz pdf and prepare for your upcoming exams like banking ssc railway upsc state psc

mcqs on 2nd and 3rd law of thermodynamics and entropy - Sep 27 2022

web the second law of thermodynamics states that over time the entropy of an isolated system that is not in equilibrium must rise and achieve the ultimate equilibrium value third law of thermodynamics states that the entropy of a system becomes constant as the temperature approaches absolute zero

engineering thermodynamics mcq multiple choice questions - Jun 05 2023

web here are 1000 mcqs on engineering thermodynamics chapterwise 1 what is thermodynamics a study of the relationship between heat and other forms of energy b study of the conversion of chemical energy to other forms of energy c study of the relationship between mechanical energy to other forms of energy

second law of thermodynamics wikipedia - Feb 18 2022

web the second law of thermodynamics is a physical law based on universal empirical observation concerning heat and energy interconversions a simple statement of the law is that heat always flows spontaneously from hotter to colder regions of matter or downhill in terms of the temperature gradient

thermodynamics multiple choice questions mcq important - Jul 26 2022

web dec 16 2022 answer a the conservation of energy is the foundation of the first law of thermodynamics as explained it deals with the labor performed and the heat energy added to or taken away from a system in essence it states that the energy that is supplied to a system is conserved which of the following is not a statement of law of

ch 12 multiple choice physics openstax - Apr 03 2023

web the second law the third law 31 name any two industries in which the principles of thermodynamics are used aerospace and information technology it industries industrial manufacturing and aerospace mining and textile industries mining and agriculture industries 12 2 first law of thermodynamics thermal energy and work 32

4 5 statements of the second law of thermodynamics - May 24 2022

web sep 12 2022 the second law of thermodynamics can be stated in several different ways and all of them can be shown to imply the others in terms of heat engines the second law of thermodynamics may be stated as

mcq thermodynamics second law of thermodynamics pdf - Oct 29 2022

web according to kelvin plancks statement of second law of thermodynamics a it is impossible to construct an engine working on a cyclic process whose sole purpose is to convert heat energy into work b it is possible to construct an engine working on a cyclic process whose sole purpose is to convert the heat energy into work c it is impossibl

thermodynamics questions practice khan academy - Apr 22 2022

web a the solution is at boiling point choice b the solution is undergoing a phase change b the solution is undergoing a phase change choice c the velocity of molecules in the solution is increasing c

mcq on second law of thermodynamics quiz test - Mar 22 2022

web this is an mcq based quiz on the topic of the second law of thermodynamics this includes the following second law of thermodynamics cyclic heat engine title mcq on second law of thermodynamics questions 15 contributed by neo mon apr 18 2022 07 09 am utc book a trial class

second law of thermodynamics recommended mcqs neetprep - Feb 01 2023

web neet questions physics thermodynamics recommended mcqs 112 questions second law of thermodynamics 2 qs 1 q no q 1 consider a cycle followed by an engine figure 1 to 2 is isothermal 2 to 3 is adiabatic 3 to 1 is adiabatic such a process does not exist because choose the correct alternatives 1 a b 2 a c 3 b c 4 c d

250 top mcqs on second law of thermodynamics and answers - May 04 2023

web 250 top mcqs on second law of thermodynamics and answers thermodynamics multiple choice questions on second law of thermodynamics 1 heat is transferred to a heat engine from a furnace at a rate of 80 mw

4 e the second law of thermodynamics exercise - Mar 02 2023

web suppose that the temperature of the water in the previous problem is raised by first bringing it to thermal equilibrium with a reservoir at a temperature of 40 c and then with a reservoir at 80 c calculate the entropy changes of a each reservoir b of

class 11 physics mcq second law of thermodynamics - Oct 09 2023

web this set of class 11 physics chapter 12 multiple choice questions answers mcqs focuses on second law of thermodynamics 1 a process is carried out between 2 systems it is possible for entropy of one system to decrease true or false a true b false view answer

mcq s on 2nd and 3rd law of thermodynamics and entropy - Nov 29 2022

web nov 3 2023 the second law of thermodynamics states that any isolated system s entropy always increases isolated

systems evolve spontaneously towards thermal equilibrium the system s state of maximum entropy in simple terms universe entropy the ultimate isolated system only increases and never decreases

second law of thermodynamics mcq basic clear iit medical - Aug 27 2022

web oct 12 2020 second law of thermodynamics mcq basic level dear readers physics is an important subject in preparation for various competitive exams to keep a track of your preparation we have designed a small quiz of basic level questions on second law of thermodynamics

thermodynamics second law questions and answers sanfoundry - Aug 07 2023

web this set of thermodynamics multiple choice questions answers mcqs focuses on second law of thermodynamics 1 heat is transferred to a heat engine from a furnace at a rate of 80 mw if the rate of waste heat rejection to a nearby river is 50 mw determine the net power output for this heat engine a 30 mw

[statements of second law of thermodynamics mcq free pdf](#) - Jun 24 2022

web oct 9 2023 second law of thermodynamics the entropy of an isolated system not in equilibrium will tend to increase over time approaching a maximum value at equilibrium $\Delta s \Delta q t \Delta s$ total Δs system Δs surrounding the second law of thermodynamics introduces the concept of entropy