

# АНАЛИЗ И МОДЕЛИРОВАНИЕ АВТОНОМНОЙ ФОТОЭЛЕКТРИЧЕСКОЙ СИСТЕМЫ С ИСПОЛЬЗОВАНИЕМ СРЕДЫ MATLAB/SIMULINK

Абдали Л.М.<sup>1</sup>, Исса Х.А.<sup>2</sup>, Али К.А.<sup>3</sup>, Кувшиннов В.В.<sup>4</sup>, Бекиров Э.А.<sup>5</sup>

<sup>1</sup>ФГАОУ ВО «Севастопольский государственный университет», Институт ядерной энергии и промышленности, г. Севастополь, РФ, laith\_2210@yahoo.com

<sup>2</sup>ФГАОУ ВО «Севастопольский государственный университет», Институт ядерной энергии и промышленности, г. Севастополь, РФ, haoder.issa84@gmail.com

<sup>3</sup>ФГАОУ ВО «Санкт-Петербургский политехнический университет Петра Великого» Институт энергетики, г. Санкт-Петербург, РФ, qaysadnanali153@gmail.com

<sup>4</sup>ФГАОУ ВО «Севастопольский государственный университет», Институт ядерной энергии и промышленности, г. Севастополь, РФ, 299015, kvushinov.vladimir@gmail.com

<sup>5</sup>ФГАОУ ВО «Крымский федеральный университет им. Вернадского», Физико-технический институт, г. Симферополь, РФ, bekirov.e.a@cfuv.ru

**Аннотация:** Использование возобновляемых источников энергии и, в частности, солнечной энергии привлекло значительное внимание в последние десятилетия. Проекты по производству фотоэлектрической (PV) энергии реализуются в очень большом количестве во многих странах. Многие исследовательские работы проводятся для анализа и проверки производительности фотоэлектрических модулей. Реализация экспериментальной установки для фотоэлектрической энергосистемы с преобразователем постоянного тока для проверки производительности системы не всегда возможна из-за практических ограничений. Программная имитационная модель помогает анализировать производительность фотоэлектрических модулей, и более полезной будет общая схемная модель, которую можно использовать для проверки любого коммерческого фотоэлектрического модуля. В данной работе представлено моделирование математической модели фотоэлектрического модуля, повышающего преобразователя постоянного тока в переменный, а также было проведено моделирование режимов работы солнечной генерирующей системы при различных нагрузочных характеристиках. Модель, представленная в этой статье, может использоваться как обобщенный фотоэлектрический модуль для анализа производительности любых коммерчески доступных фотоэлектрических модулей. В представленной работе исследовались параметры, которые влияют на производительность генерирующей системы. Результаты получены для работы фотоэлектрических преобразователей постоянного тока в переменный. Представленные характеристики сильно зависят от таких параметров, как солнечная инсоляция, температура рабочей поверхности фотоэлектрического модуля, время заряда-разряда аккумуляторных батарей и др. При изменении одного из значений этих параметров меняются режимы работы солнечной электрогенерирующей батареи. Изменение режимов работы может привести к сбоям всей работы системы, поэтому необходим контроль всех энергетических характеристик установок. Достичь повышения эффективности генерации системы способны предложенные в этой работе действия, направленные на улучшение работы фотоэлектрической системы и системы накопления энергии, а также использование необходимых вспомогательных устройств для контроля и управления параметрами установок. Исследования, проведенные в ходе представленной работы, позволяют повысить уровень знаний по контролю и управлению параметрами фотоэлектрических генерирующих установок и расширить возможности их бесперебойной работы и увеличения энерговыработки.

**Предмет исследования.** Предмет исследования. Анализ и проверка производительности фотоэлектрических модулей.

**Материалы и методы.** В работе были проведены Реализация экспериментальной установки для фотоэлектрической энергосистемы с преобразователем постоянного тока для проверки производительности системы и исследования действующей компьютерного моделирования параметров интегрированной системой солнечной генерации фотоэлектрическими с использованием программной среды Matlab, а также методы теоретического анализа, математические и статистические методы, необходимые для обработки материалов исследования.

**Результаты.** оптимизировать работу фотоэлектрических систем и повысить их эффективность.

**Выводы.** По результатам можно сделать заключение об увеличении эффективности работы солнечных установок с подобными блоками Simulink, что делает её легко моделируемой и анализируемой в сочетании с силовой электроникой для работы системы с максимальной мощностью. Принимая во внимание влияние солнечного излучения и температуры ячейки на выходной ток и мощностные характеристики модуля при помощи предложенной модели возможно значительно увеличить эффективность работы всей установки.

**Ключевые слова:** Автономная фотоэлектрическая система, программа Matlab/Simulink, фотоэлектрические панели, аккумуляторная батарея, контроллер, нагрузка, температура, энергопроизводительность системы, солнечная генерирующая установка.

# Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti

**Michael Brown**



## **Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti:**

When people should go to the book stores, search creation by shop, shelf by shelf, it is in fact problematic. This is why we offer the book compilations in this website. It will very ease you to look guide **Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti** as you such as.

By searching the title, publisher, or authors of guide you truly want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be all best area within net connections. If you goal to download and install the Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti, it is very simple then, since currently we extend the belong to to purchase and create bargains to download and install Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti so simple!

<https://archive.kdd.org/results/detail/default.aspx/the%20british%20regime%20in%20wisconsin%20and%20the%20northwest.pdf>

## **Table of Contents Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti**

1. Understanding the eBook Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - The Rise of Digital Reading Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Advantages of eBooks Over Traditional Books
2. Identifying Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - 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 Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - User-Friendly Interface

4. Exploring eBook Recommendations from Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Personalized Recommendations
  - Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti User Reviews and Ratings
  - Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti and Bestseller Lists
5. Accessing Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti Free and Paid eBooks
  - Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti Public Domain eBooks
  - Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti eBook Subscription Services
  - Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti Budget-Friendly Options
6. Navigating Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti eBook Formats
  - ePub, PDF, MOBI, and More
  - Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti Compatibility with Devices
  - Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Highlighting and Note-Taking Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Interactive Elements Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
8. Staying Engaged with Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti

9. Balancing eBooks and Physical Books Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Setting Reading Goals Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - Fact-Checking eBook Content of Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti
  - 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

### **Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti Introduction**

In the digital age, access to information has become easier than ever before. The ability to download Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti 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 Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I

Munitsipalnoi Sobstvennosti has opened up a world of possibilities. Downloading Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti 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 Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti 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 Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti. 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 Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti. 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 Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti, 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 Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti 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 Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti 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 webbased 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 the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti is one of the best book in our library for free trial. We provide copy of Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti. Where to download Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti online for free? Are you looking for Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have



convenient answers with Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti To get started finding Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti is universally compatible with any devices to read.

### **Find Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti :**

~~the british regime in wisconsin and the northwest~~

~~the broken triangle peking djakarta and the pki~~

~~the camp-out mystery~~

~~the broken milk bottle~~

~~the bronx new york citys fastest growing borough~~

~~the bunker hill~~

**the care of twin children a commonsense guide for parents**

**the bridge defense at contract bridge volume 4 bridge**

~~the camberley triangle~~

~~the caddis and the angler~~

~~the broken compass a study of the major comedies of ben jonsen~~

~~the brave bad girls~~

**the business of photojournalism**

**the brave little steam shovel**

the brides of fu manchu

**Sistemy Kontrolia Za Ispolzovaniem Munitsialnykh Finansov I Munitsipalnoi Sobstvennosti :**

Momo (Aka the Life Before Us) - Emile Ajar & Romain Gary MOMO has been translated into seven teen languages. Emile Ajar is the pseudonym for an elusive, highly gifted young writer in France. MoMo is his second novel ... The Life Before Us by Romain Gary This sensitive, slightly macabre love story between Momo and Madame Rosa has a supporting cast of transvestites, pimps, and witch doctors from ... The Life Before Us ("Madame Rosa") by Gary, Romain This sensitive, slightly macabre love story between Momo and Madame Rosa has a supporting cast of transvestites, pimps, and witch doctors from Paris's immigrant ... The Life Before Us: Gary, Romain, Manheim, Ralph ... Editorial Reviews. Now back in print, this heartbreaking novel by Romain Gary has inspired two movies, including the Netflix feature The Life Ahead. Momo has ... The Life Before Us The Life Before Us is a novel by French author Romain Gary who wrote it under the pseudonym of "Emile Ajar". It was originally published in English as Momo ... The Life Before Us | 1streading's Blog - WordPress.com Jun 6, 2022 — The Life Before Us is, of course, the novel with which Romain Gary ... Emile Ajar. He chose to publish under a pseudonym as, by the 1970s, he ... The Life Before Us (Paperback) Nov 1, 2022 — This sensitive, slightly macabre love story between Momo and Madame Rosa has a supporting cast of transvestites, pimps, and witch doctors from ... The Life Before Us by Romain Gary, Paperback Now back in print, this heartbreaking novel by Romain Gary has inspired two movies, including the Netflix feature The Life Ahead Momo has been. La vie devant soi by Romain Gary The young narrator of this book, Momo, teaches us a bit about how it is possible to survive and experience happiness even given an unconventional sort of life. Conflict and Duality in Romain Gary's Gros-Câlin and La ... by V Tirven-Gadum — Abstract: Romain Gary is the only French writer to have received the Prix Goncourt twice, once as himself and the second time as Émile Ajar. Deutsch Aktuell: Level 1 - 1st Edition - Solutions and Answers Our resource for Deutsch Aktuell: Level 1 includes answers to chapter exercises, as well as detailed information to walk you through the process step by step. Deutsch Aktuell Answer Keys - c124 Answer Keys for Chapter Review Pages "Rückblick". Deutsch Aktuell 1. Deutsch Aktuell 2. Kapitel 1 · Kapitel 2 · Kapitel 3 · Kapitel 4 · Kapitel 5 · Kapitel 6 ... Deutsch Aktuell 1 Answer Key - PDFfiller Fill Deutsch Aktuell 1 Answer Key, Edit online. Sign, fax and printable from PC, iPad, tablet or mobile with pdfFiller ☐ Instantly. Try Now! Get Deutsch Aktuell 1 Answer Key - US Legal Forms Complete Deutsch Aktuell 1 Answer Key online with US Legal Forms. Easily fill out PDF blank, edit, and sign them. Save or instantly send your ready ... Deutsch Aktuell 1 Workbook Answer Key Pdf - PDFfiller Fill Deutsch Aktuell 1 Workbook Answer Key Pdf, Edit online. Sign, fax and printable from PC, iPad, tablet or mobile with pdfFiller ☐ Instantly. Try Now! Deutsch Aktuell Tests with Answer Key - Amazon Deutsch Aktuell Tests with Answer Key [Wolfgang S Kraft] on Amazon.com. \*FREE ... January 1, 2004. ISBN-10. 0821925466. ISBN-13. 978-0821925461. See all details ... Deutsch Aktuell 1 - 7th

Edition - Solutions and Answers - Quizlet Find step-by-step solutions and answers to Deutsch Aktuell 1 - 9780821980767, as well as thousands of textbooks so you can move forward with confidence. Deutsch Aktuell 1 Workbook Answer Key Form - SignNow Deutsch Aktuell 1 Workbook Answer Key Kapitel 4. Check out how easy it is to complete and eSign documents online using fillable templates and a powerful ... Deutsch Aktuell 1 Test Booklet with Answer Key - Goodreads Read reviews from the world's largest community for readers. Test Booklet with Answer Key 2014 Edition. Fsa opinion writing prompt Opinion paper prompt that is SURE TO SPARK THEIR INTEREST! Developed for 4th/5th Grade Text-Based Writing . Written in Florida FSA ... FSA ELA Writing Practice Test Students will respond to either an informative/explanatory prompt or to an opinion/argumentation prompt. An example of a text-based writing prompt for each ... Grade 5 FSA ELA Writing Practice Test writing prompt for the FSA English Language Arts test. Students will respond to either an informative/explanatory prompt or to an opinion/argumentation prompt. Grade 4 FSA ELA Writing Practice Test writing prompt for the FSA English Language Arts test. Students will respond to either an informative/explanatory prompt or to an opinion/argumentation prompt. FSA Writing Prompts The assignment will ask for one multi-paragraph response in which you state your opinion on the topic you have just read about or write an informative essay. Mrs. Laura Camoesas / FSA Writing Resources Prompt & Texts for 5th Grade DOE Samples ... If you are having trouble viewing the document, you may download the document. Writing Assessments Writing will be computer-based in all assessed grades, and prompts will be in response to texts. Writing Resources. 2023-24 B.E.S.T. Writing Fact Sheet (PDF) ... Text-Based Writing Prompt Bundle (FSA Style Opinion and ... Text-Based Writing Prompt Bundle (FSA Style Opinion and Informative). This is a bundle of all of the writing prompts and text sets in my store. Grades 4-5 FSA ELA Writing Training Test Questions Write an essay in which you give your opinion: Is clutter sometimes okay, or should you always try to be neat? Use the information from the passages in your ...