

AFAA Primary Group Exercise Certification Study Guide

List 8 health benefits associated with regular participation in physical activity. - answer Lower risk of coronary heart disease, lower risk of high blood pressure, lower risk of Type 2 diabetes, lower risk of breast cancer, reduced depression, improved cardiorespiratory & muscular fitness, lower risk of colon cancer, prevention of weight gain.

How can interval training improve aerobic performance? - answer Maximizes aerobic power and minimizes boredom.

List 3 physiological adaptations that occur to improve exercise performance and state how or why improvements occurs. - answer 1. Increased maximal blood flow - Performing aerobic exercise forces large volumes of blood which increases stroke volume.

2. Increased oxygen delivery and carbon dioxide removal - The cardiorespiratory system saturates blood coming from the lungs with oxygen efficiently. The high pulmonary ventilation assists with the removal of carbon dioxide during exercise.

3. Increased maximal oxygen uptake and aerobic power - Regular aerobic exercise causes an increase in the number of capillaries per muscle fiber.

Energy Metabolism

Define energy and its food source. - answer Energy is the ability to do work, and the source of energy is the sun.

Define ATP - answer Adenosine Triphosphate ATP.

Compound that releases energy necessary for muscular contraction.

1 mole ATP = 1/10 mole energy work.

Energy Pathways - answer Anaerobic and Aerobic.

An anaerobic pathway consists of: - answer ATP-CP - phosphagen system.

Fuel source = CHEMICAL creatine phosphate.

Intensity = very high.

Duration = very short 1 to 15 seconds.

Activities = sprinting, jumping, throwing, kicking, lifting heavy weights.

An anaerobic pathway also consist of - answer LACTIC ACID SYSTEM

Fuel source = GLUCOSE carbohydrate only.

Intensity = high, moderate.

Duration = short, medium 45-90 seconds.

Afaa Study Guide Answers

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Afaa Study Guide Answers:

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[Aerobics Theory and Practice Self Study Workbook](#)

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[Journal of the American Dietetic Association](#) ,1987

[Proceedings of the AFAA](#)

5th General Conference on Food Security in Africa Association of Faculties of Agriculture in Africa. General Conference,1984 **AFAA Personal Trainer Study Guide** Trivium Test Prep,2013-06-19 When it comes to the AFAA Personal Trainer certification exam you want to be prepared and you will be with our book designed to making studying fun and easy You don t want to waste time and money taking your AFAA Personal Trainer certification exam twice or more You want to accelerate your education not miss opportunities for starting your future career Every year thousands of people think that they are ready for the AFAA Personal Trainer certification but realize too late when they get their score back that they were not ready at all They weren t incapable and they certainly did their best but they simply weren t studying the right way

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Table of Contents Afaa Study Guide Answers

1. Understanding the eBook Afaa Study Guide Answers
 - The Rise of Digital Reading Afaa Study Guide Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Afaa Study Guide Answers
 - 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 Afaa Study Guide Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Afaa Study Guide Answers
 - Personalized Recommendations
 - Afaa Study Guide Answers User Reviews and Ratings
 - Afaa Study Guide Answers and Bestseller Lists
5. Accessing Afaa Study Guide Answers Free and Paid eBooks
 - Afaa Study Guide Answers Public Domain eBooks
 - Afaa Study Guide Answers eBook Subscription Services
 - Afaa Study Guide Answers Budget-Friendly Options
6. Navigating Afaa Study Guide Answers eBook Formats

- ePub, PDF, MOBI, and More
- Afaa Study Guide Answers Compatibility with Devices
- Afaa Study Guide Answers Enhanced eBook Features

7. Enhancing Your Reading Experience

- Adjustable Fonts and Text Sizes of Afaa Study Guide Answers
- Highlighting and Note-Taking Afaa Study Guide Answers
- Interactive Elements Afaa Study Guide Answers

8. Staying Engaged with Afaa Study Guide Answers

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Afaa Study Guide Answers

9. Balancing eBooks and Physical Books Afaa Study Guide Answers

- Benefits of a Digital Library
- Creating a Diverse Reading Collection Afaa Study Guide Answers

10. Overcoming Reading Challenges

- Dealing with Digital Eye Strain
- Minimizing Distractions
- Managing Screen Time

11. Cultivating a Reading Routine Afaa Study Guide Answers

- Setting Reading Goals Afaa Study Guide Answers
- Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Afaa Study Guide Answers

- Fact-Checking eBook Content of Afaa Study Guide Answers
- 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

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