

# **AFAA Primary Group Exercise Certification**

## **Study Guide with Complete Solutions 100% verified**

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 mile energy walk.

Energy Pathways - answer✓✓Anaerobic and Aerobic.

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

Fuel source = CHEMICAL creatine phosphate.

# Group Fitness Study Guide

**M Walker**



## **Group Fitness Study Guide:**

Group Fitness Study Guide: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the engaging narratives that have enthralled audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Uncover the Best : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Group Fitness Study Guide : Delia Owens' "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is an exceptional and gripping novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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