

# CHAPTER 20 THE ATLANTIC WORLD

## ANSWERS

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**What process did Columbus and his followers start?** Answer and Explanation: Columbus and his followers began the process of colonization of the Americas by European settlers.

**What was the main goal of Cortez in his conquests?** Hernan Cortés was motivated by a combination of things when he decided to embark on the conquest of the Mexica/Aztec people in 1519. First and foremost, he was driven by greed as it had become commonplace amongst Spanish conquistadors during this era to expropriate wealth from native peoples.

**Why would a joint stock company be popular with investors in overseas colonies?** Because joint-stock companies involved numerous investors, the individual members paid only a fraction of the total colonization cost. If the colony failed, investors lost only their small share. If the colony thrived, the investors shared in the profits.

**What is the Atlantic world history?** Atlantic World history emphasizes how the colonization of the Americas reshaped Africa and Europe, provided a foundation for later globalization, and insists that our understanding of the past benefits from looking beyond the nation state as our primary (or sole) category of analysis.

**Who were the first people met by Columbus \_\_\_\_\_?** When Christopher Columbus arrived on the Bahamian Island of Guanahani (San Salvador) in 1492, he encountered the Taíno people, whom he described in letters as "naked as the day they were born." The Taíno had complex hierarchical religious, political, and social systems.

**Who did Columbus find first?** Columbus called the inhabitants of the lands that he visited Los Indios (Spanish for "Indians"). He initially encountered the Lucayan, Taíno, and Arawak peoples.

**Why did Cortés burn his ship?** The phrase “burning your ships” dates from 1519, when a Spanish expedition led by Hernán Cortés landed in Mexico. Cortés knew his crew was already exhausted after the long sea journey, but he had to motivate them to succeed in the new land. So he ordered the scuttling of the ships they arrived in. The ships burned.

**Who did Cortes want to conquer?** Spanish conquistadores commanded by Hernán Cortés allied with local tribes to conquer the Aztec capital city of Tenochtitlán.

**What did Cortez claim?** Hernán Cortés was a Spanish conquistador, or conqueror, who is best remembered for conquering the Aztec Empire in 1521 and claiming Mexico for Spain.

**How did the company raise sufficient funds to outfit the expedition to North America?** In order to keep the Virginia Company alive, the second charter in 1609 came up with a new way to raise money. First, the company's leaders asked wealthy people to donate. This was not enough, so in 1609 the company started selling shares of stock to the public. Stock shares are pieces of ownership in a company.

**What were some of the positive and negative consequences of the Columbian Exchange?** The Columbian exchange was the exchange of goods and people between the Old World and the New World during the Age of Exploration. It is important because it led to increased trade and food production across the globe. However, it also had a negative impact with disease and slavery.

**How did the Columbian exchange affect African people?** Answer and Explanation: The Columbian Exchange affected African people by bringing countless numbers of them to the New World as slaves. They worked on plantations to grow crops such as sugar cane and tobacco. It also stimulated European colonialism in Africa.

**Why is it called the Atlantic?** Atlantic Ocean, body of salt water covering approximately one-fifth of Earth's surface and separating the continents of Europe and Africa to the east from those of North and South America to the west. The ocean's name, derived from Greek mythology, means the “Sea of Atlas.” It is second in size to the Pacific Ocean.

**What best defines the Atlantic world?** The Atlantic world is a historical construct that defines how four landmasses that border the Atlantic Ocean—Africa, Europe, North America, and South America (including the Caribbean and Central America)—interacted and influenced each other from the 1420s until the middle of the seventeenth century.

**What is the summary of the Atlantic?** The Atlantic is an American magazine and multi-platform publisher. It features articles on politics, foreign affairs, business and the economy, culture and the arts, technology, and science.

**How did Christopher Columbus start exploring?** The Voyages of Christopher Columbus: Timeline He begins sailing in his teens and survives a shipwreck off the coast of Portugal in 1476. In 1484, he seeks aid from Portugal's King John II for a voyage to cross the Atlantic Ocean and reach Asia from the east, but the king declines to fund it.

**How did Columbus view the Natives when he first arrived?** Columbus described the Natives he first encountered as “timid and full of fear.” Why did he then capture some Natives and bring them aboard his ships?

**What led Columbus to discover America?** Columbus sailed in search of a route to Cathay (China) and India to bring back gold and spices that were highly sought in Europe. His patrons, Ferdinand II and Isabella I of Spain, hoped that his success would bring them greater status.

**Who was Christopher Columbus influenced by?** Christopher Columbus was influenced by Marco Polo, John Mandeville and Prince Henry the Navigator by reading about their travels. Marco Polo was a Venetian merchant and adventurer who had travelled to China during the 13th century.

**Sigma Control 2 Process Map v1.4.0: Enhancing Process Improvement**

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**Q1: What is Sigma Control 2?**

A: Sigma Control 2 is a process mapping tool designed to optimize processes, improve efficiency, and enhance quality. It utilizes the Six Sigma methodology to identify and eliminate waste and defects, leading to significant improvements in organizational performance.

**Q2: What does Table 1 of the Sigma Control 2 Process Map represent?**

A: Table 1 in the Sigma Control 2 Process Map is a comprehensive checklist that guides users through the various steps of the process mapping process. It includes key elements such as process definition, data analysis, improvement opportunities, and implementation plans.

**Q3: How does Table 1 help in process improvement?**

A: By providing a structured approach to process mapping, Table 1 ensures that users focus on the most critical aspects of their processes. It helps them identify areas for improvement, quantify the impact of changes, and develop tailored solutions to optimize performance.

**Q4: What are the benefits of using the Sigma Control 2 Process Map?**

A: Utilizing the Sigma Control 2 Process Map offers numerous benefits, including:

- Improved process understanding
- Increased efficiency and productivity
- Reduced waste and errors
- Enhanced customer satisfaction
- Optimized resource allocation

**Q5: Conclusion**

The Sigma Control 2 Process Map v1.4.0 is a powerful tool that empowers organizations to streamline their processes, achieve Six Sigma performance, and drive continuous improvement. By following the guidance provided in Table 1, users can effectively identify and eliminate inefficiencies, leading to significant

enhancements in the quality and efficiency of their operations.

## **Troy Nelson Guitar Aerobics: A Comprehensive Guide to Dexterity and Technique**

Q: What is "Guitar Aerobics" by Troy Nelson?

A: "Guitar Aerobics" is a renowned book and CD package designed to enhance guitarists' dexterity, technique, and overall playing ability. Written by renowned guitarist and educator Troy Nelson, it provides a systematic approach to improving fingerstyle articulation, speed, and accuracy.

Q: How does the book work?

A: The book contains a series of exercises and etudes that progressively challenge guitarists. Each exercise focuses on specific techniques, such as alternate picking, hammer-ons/pull-offs, and fingerstyle patterns. The accompanying CD provides audio examples and professionally recorded backing tracks for practice.

Q: What are the benefits of practicing "Guitar Aerobics"?

A: "Guitar Aerobics" has numerous benefits, including:

- Improved speed, dexterity, and finger articulation
- Enhanced picking and strumming techniques
- Increased fretboard knowledge and fingerboard navigation skills
- Increased coordination and fluidity in playing
- Reduced tension and fatigue in the playing hand

Q: Who is "Guitar Aerobics" suitable for?

A: "Guitar Aerobics" is appropriate for guitarists of all levels, from beginners seeking to build a solid foundation to advanced players aiming to refine their technique. The exercises are adaptable and can be tailored to individual skill levels.

Q: How can I incorporate "Guitar Aerobics" into my practice routine?

A: Incorporating "Guitar Aerobics" into your practice routine is simple. Start by setting aside a dedicated time each day to practice the exercises. As you progress, gradually increase the difficulty of the exercises and the duration of your practice sessions. Discipline and consistency are key to reaping the full benefits of this comprehensive guitar training system.

## **Thermodynamics: An Engineering Approach, 6th Edition: Chapter 9 Questions and Answers**

**1. Question:** Explain the concept of the Carnot cycle efficiency. **Answer:** The Carnot cycle efficiency is the maximum possible efficiency of a heat engine operating between two reservoirs at different temperatures. It is given by the formula:

$$\eta_C = 1 - T_L / T_H$$

where  $T_L$  is the temperature of the cold reservoir and  $T_H$  is the temperature of the hot reservoir.

**2. Question:** Describe the operation of a Stirling engine. **Answer:** A Stirling engine is a closed-cycle heat engine that operates between two reservoirs at different temperatures. It uses a working fluid that is heated in the hot reservoir and then expanded in the cold reservoir. The expansion of the working fluid drives a piston, which in turn generates work.

**3. Question:** Discuss the advantages and disadvantages of a reversible heat engine. **Answer:** Reversible heat engines have the following advantages:

- They operate at the highest possible efficiency (the Carnot cycle efficiency).
- They can operate in both directions (i.e., as a heat engine or a refrigerator).

However, reversible heat engines also have some disadvantages:

- They are very difficult to build in practice.
- They are very inefficient in practice.

**4. Question:** What is the Clausius inequality? **Answer:** The Clausius inequality is a mathematical statement that describes the second law of thermodynamics. It states

that:

$$\oint (\delta Q / T) \geq 0$$

where  $\delta Q$  is the heat transferred to a system during a cycle and  $T$  is the temperature of the system. This inequality implies that the entropy of an isolated system always increases.

**5. Question:** Give an example of a system that violates the Clausius inequality.

**Answer:** A system that violates the Clausius inequality would be a perpetual motion machine of the second kind. Such a machine could continuously extract heat from a reservoir at a constant temperature and convert it into work without any other input. However, no such machine has ever been built, and it is widely believed that they are impossible to build.

[sigma control 2 process map v 1 4 0 table 1](#), [troy nelson guitar aerobics book cd](#)  
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