

## US vs Asia: Chip Battle Looms

### **Description**

The US has fallen behind in chip manufacturing, allowing China and other Asian countries to take the lead. President Trump aims to boost US chip production, facing challenges like skilled labor shortages and quality issues. Can the US compete with Taiwan and Asia in producing high-precision chips at scale?

## Microchips: The secret sauce

Semiconductors power everyday gadgets from washing machines to smartphones. Although chips were invented in the US, Asia now dominates chip production. Chips' complex journey involves design, manufacturing, and assembly across different countries.

Trump's tariffs target the chip industry, aiming to bring manufacturing back to the US. However, Asia's subsidies to chip companies have fueled their success. The US Chips and Science Act aims to revive domestic chip manufacturing through grants and incentives.

# **Vocabulary List:**

- 1. Manufacturing /ˌmænʌʊfæk'tʃʊrɪŋ/ (noun): The process of making products from raw materials.
- 2. **Production** /prəˈdʌkʃən/ (noun): The act of creating especially in large quantities.
- 3. Subsidies /'sʌb.sɪ.di:z/ (noun): Financial assistance granted by the government to support a market or industry.
- 4. Incentives /In'sɛntɪvz/ (noun): Things that motivate or encourage someone to do something.
- 5. **Precision** /prɪ'sɪʒ.ən/ (noun): The quality of being exact and accurate.
- 6. Complex /'kpmpleks/ (adjective): Consisting of many different and connected parts.

# Vocabulary quizzes

#### Multiple Choice ( Select the Correct answer for each question. )

1. What is a malicious attempt to disrupt damage or gain unauthorized access to computer systems networks or devices?

Option: Hacktivism Option: Cyber-attack



Option: Phishing
Option: Ransomware

2. What refers to the amount of inventory a business holds at a given point in time?

Option: Revenue stream Option: Sales forecast

Option: Production capacity

Option: Stock levels

3. Which term describes areas located outside of cities and towns?

Option: Urban
Option: Rural
Option: Suburban
Option: Metropolitan

4. What are the subjective indications of a condition that a person may be experiencing?

Option: Syndromes Option: Prognosis Option: Symptoms Option: Diagnosis

5. Which process involves the production of goods through the use of labor machines tools and chemical or biological processing?

Option: Farming
Option: Construction
Option: Logistics

Option: Manufacturing

6. Which neurological condition is characterized by recurrent moderate to severe headaches often accompanied by auras?

Option: Migraine
Option: Anxiety
Option: Depression
Option: Epilepsy

7. Which term refers to the quality of being exact and accurate in details?

Option: Adaptability Option: Precision Option: Redundancy Option: Flexibility

8. Who are the individuals or entities that purchase a product or service?

Option: Vendors



Option: Consumers Option: Investors Option: Customers

9. What are rewards or benefits that encourage certain actions or behavior?

Option: Fines

Option: Subsidies Option: Incentives Option: Penalties

10. What are favorable circumstances or chances for advancement or progress?

Option: Challenges
Option: Hurdles
Option: Obstacles
Option: Opportunities

### Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11	in the supply chain can lead to delays in fulfilling customer orders.
12. She felt deeply	by her closest friend's actions.
13. Taking the necessary	can help prevent accidents in the workplace.
14. The criminal attempted to	money from the victim by threatening harm.
15. The data breach	sensitive information of thousands of users.
16. The sudden change in po	licy caused among the employees.
17. Various	are available for managing chronic medical conditions.
18. The new product was hea	evily for its poor quality.
19. The	system in the inner ear helps maintain balance and spatial orientation.
20. The artist's work capture	d the of the human condition.
21. Government	are often provided to support specific industries or sectors.



#### Matching Sentences ( Match each definition to the correct word from the vocabulary list. )

- 22. Unexpected events or breakdowns in the supply chain can lead to delays in fulfilling customer orders.
- 23. A deliberate and malicious attempt to compromise computer systems or networks for various purposes.
- 24. Individuals or entities who purchase goods or services from a business or organization.
- 25. The process of producing goods using various resources and technologies.
- 26. Favorable circumstances or situations that can lead to progress or success.
- 27. The quality of being accurate and exact in detailed work or measurements.
- 28. The amount of inventory or goods that a company holds at a specific point in time.
- 29. A neurological condition characterized by intense headaches often accompanied by other symptoms.
- 30. Rewards or benefits offered to encourage specific actions or behaviors.
- 31. Subjective indications of a medical condition experienced by an individual.

#### **Answer**

Multiple Choice: 1. Cyber-attack 2. Stock levels 3. Rural 4. Symptoms 5. Manufacturing 6. Migraine 7.

Precision 8. Customers 9. Incentives 10. Opportunities

Gap-Fill: 11. Disruptions 12. Betrayed 13. Precaution 14. Extort 15. Compromised 16. Confusion 17.

Treatments 18. Criticized 19. Vestibular 20. Sensitivity 21. Subsidies

Matching sentence: 1. Disruptions 2. Cyber-attack 3. Customers 4. Manufacturing 5. Opportunities 6. Precision

7. Stock levels 8. Migraine 9. Incentives 10. Symptoms

#### **CATEGORY**

1. Sci/Tech - LEVEL3

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