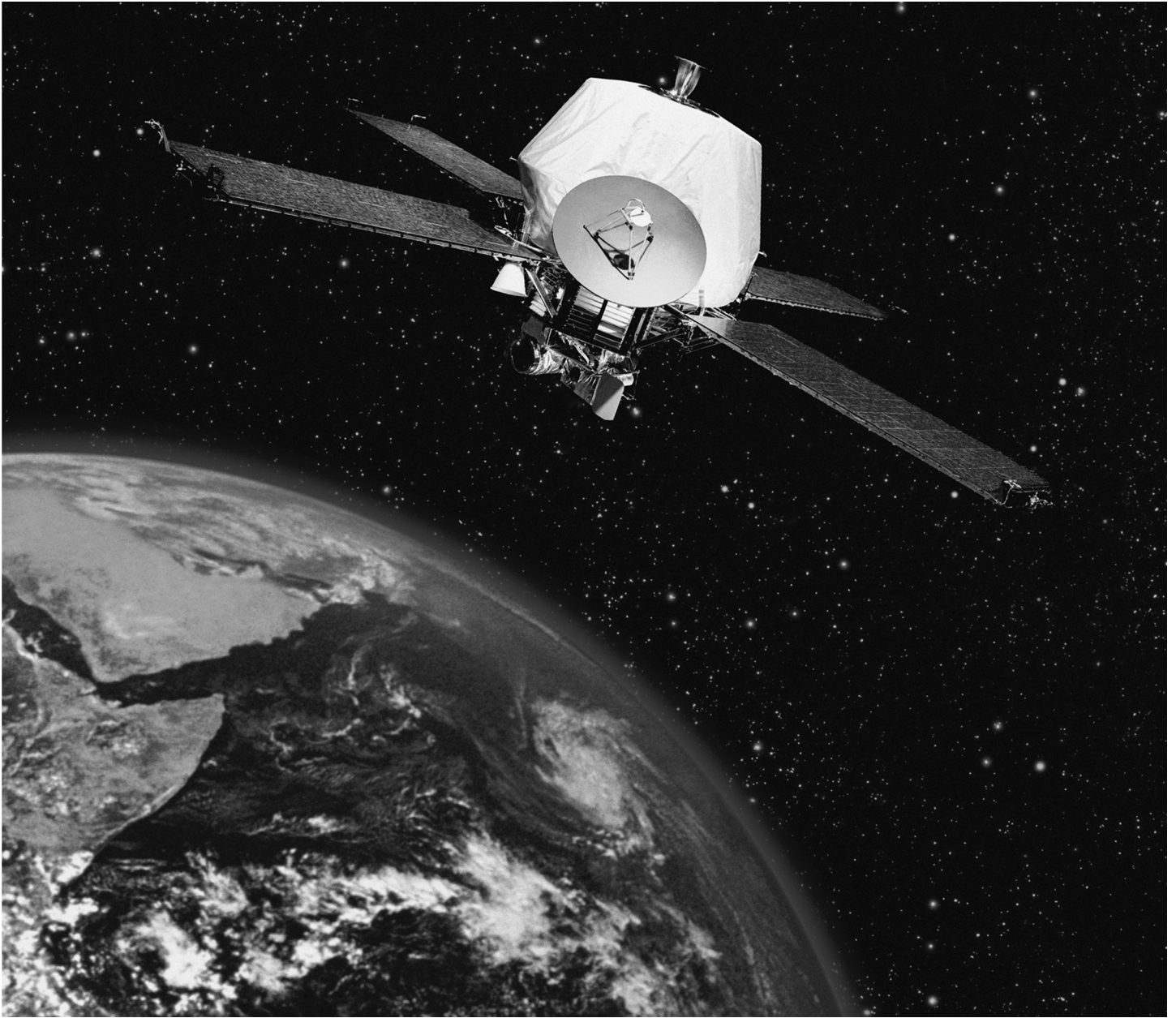


# *The Story of Inventions*



**TEST PACKET**

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Name \_\_\_\_\_

Date \_\_\_\_\_

Grade Level \_\_\_\_\_ Score \_\_\_\_\_

**THE STORY OF INVENTIONS**  
**Test 1 Chapters 1–2**

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**Carefully read each statement and circle the T (for true) or F (for false). Each question is worth 4 points.**

- T F 1. James Watt traveled to Greenock to become an instrument maker.
- T F 2. Watt's earliest education was received at school.
- T F 3. Thomas Newcomen's engines were used in England to pump water out of the mines.
- T F 4. Beelzebub was, from the beginning, a practical engine.
- T F 5. The new Boulton and Watt engines were four times less powerful than Thomas Newcomen's original design.
- T F 6. Watt died in poverty.
- T F 7. The two main parts of an electric engine include the dynamo and the motor.
- T F 8. Lewis Urry invented the small alkaline battery.
- T F 9. Ørsted had changed magnetism into electricity.
- T F 10. Alessandro Volta was from Germany.
- T F 11. A practical electric motor was first demonstrated by an absent-minded workman.
- T F 12. Faraday's electric railway was called an "electric merry-go-round."
- T F 13. Without the dynamo to generate electricity, we would not have electric lights.

**CHOOSE the best answer and write the corresponding letter in the blank. Each question is worth 4 points.**

- \_\_\_\_\_ 14. What was the main power used in the production of food and shelter during the 1700s?
- a. hand power                      b. electrical power                      c. machine power
- \_\_\_\_\_ 15. Windmills and water wheels were used to \_?\_.
- a. weave cotton                      b. grind corn and wheat                      c. cultivate the fields
- \_\_\_\_\_ 16. Where did James Watt open his shop?
- a. London                      b. Greenock                      c. Glasgow

- \_\_\_\_\_ 17. In Papin's engine, steam was admitted into the \_?\_.  
a. cylinder                      b. vacuum                      c. piston
- \_\_\_\_\_ 18. The use of the steam engines in mills was opposed by the \_?\_.  
a. millers                      b. miners                      c. farmers
- \_\_\_\_\_ 19. What tribute or honor was given to Mr. Watt in the United States?  
a. Nobel prize                      b. medal of honor                      c. named an electric power unit after him
- \_\_\_\_\_ 20. The first electrostatic generator was invented by \_?\_.  
a. Otto von Guericke                      b. Joseph Henry                      c. Professor Ørsted
- \_\_\_\_\_ 21. Who invented the electric battery?  
a. Alessandro Volta                      b. Isaac Newton                      c. Michael Faraday
- \_\_\_\_\_ 22. The first electromagnet was made by \_?\_.  
a. Ørsted                      b. Sturgeon                      c. Volta
- \_\_\_\_\_ 23. Who was the first inventor to make the electromagnet work at a distance?  
a. Ørsted                      b. Faraday                      c. Henry
- \_\_\_\_\_ 24. Joseph Henry insulated the copper wire by covering it with a wrapping of \_?\_.  
a. cotton                      b. coils of wire                      c. silk
- \_\_\_\_\_ 25. Which country opened an eighteen-mile transit line using maglev technology?  
a. Japan                      b. United States                      c. Korea

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