



Name: \_\_\_\_\_

## THE WRIGHT BROTHERS

The Wright Brothers, Orville and Wilbur Wright, were two American inventors and aviation pioneers. They are credited with inventing and building the world's first successful airplane.

From a young age, both Orville and Wilbur had a fascination with flight. They were inspired by the achievements of other inventors and scientists who had been experimenting with gliders and balloons. The brothers began

**Aviation** is the flying or operating of aircraft.

their journey into aviation by building and flying kites. They learned about the principles of flight and used this knowledge to design and build their own gliders.

In 1896, the Wright brothers opened a bicycle sales and repair shop in Dayton called the Wright Cycle Company. They used the profits from their bicycle business to pay for their experiments in aviation. They built and tested many different gliders, making improvements with each new design.

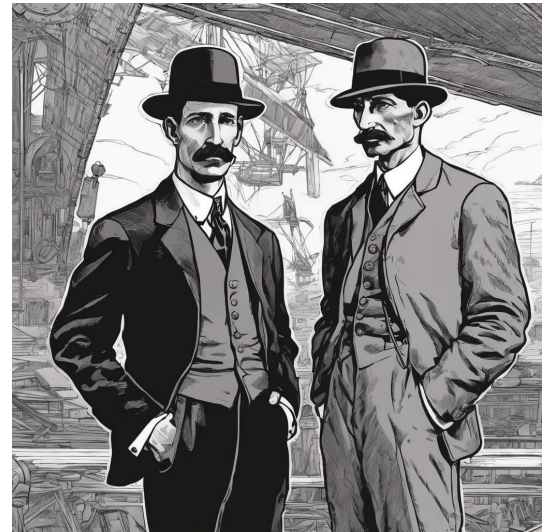
One of the key challenges they faced was how to control the aircraft in the air. They developed a system called "wing-warping," which allowed them to change the shape of the wings and control the direction of the airplane. They also invented a way to control the pitch of the aircraft by moving the elevator at the back of the airplane.

After years of testing and refining their designs, the Wright brothers were finally ready to attempt powered flight. On December 17, 1903, at Kitty Hawk, North Carolina, Orville Wright piloted the first powered airplane, called the Flyer, for a distance of 120 feet in 12 seconds. This was a major milestone in aviation history.

Over the years, the Wright brothers continued to improve their airplanes and demonstrate their flying skills. They received patents for their inventions and became famous around the world. Their contributions to aviation paved the way for the development of modern airplanes and revolutionized the way people travel.

**A patent** is a right granted for an invention.

The Wright brothers' determination, perseverance, and innovative thinking made them true pioneers in aviation. Their legacy lives on today, and their accomplishments continue to inspire future generations of inventors and engineers.



The Wright brothers.



Name: \_\_\_\_\_

## THE WRIGHT BROTHERS

1. When and where did Orville Wright pilot the first powered airplane?

- a) August 19, 1871, in Dayton, Ohio
- b) April 16, 1867, in Dayton, Ohio
- c) December 17, 1903, in Kitty Hawk, North Carolina
- d) 1896, in Dayton, Ohio

2. What did the Wright brothers use to control the direction of the airplane?

- a) Wing-warping
- b) Elevator
- c) Gliders
- d) Kites

3. What did the Wright brothers open in 1896 to fund their aviation experiments?

- a) A bicycle sales and repair shop
- b) A flying school
- c) A patent office
- d) A kite manufacturing company

4. What is aviation? \_\_\_\_\_

\_\_\_\_\_

5. How did the Wright Brothers change the world? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. How did the Wright Brothers begin their journey into aviation? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_