

Name \_\_\_\_\_ Date \_\_\_\_\_

*Directions: Read the passage. Then use the information from the passage to answer questions 1–5.*

## Leonardo da Vinci: Master of Invention

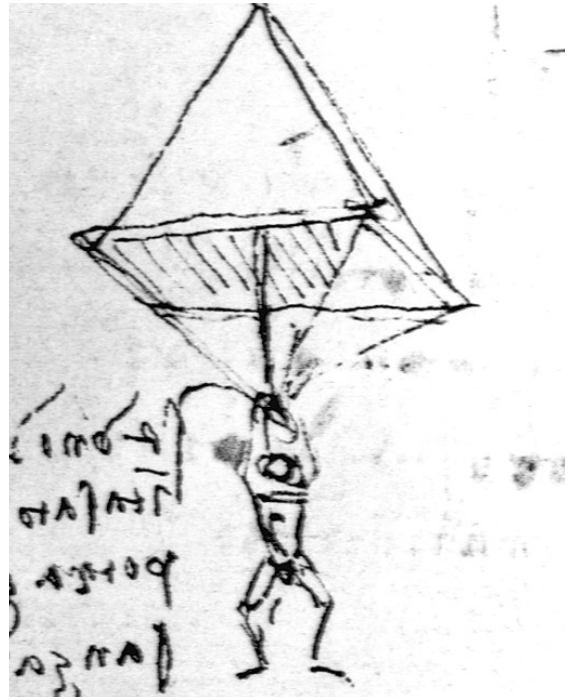
Leonardo da Vinci lived in Italy 500 years ago. You may know him as a great painter. But he was an inventor, too. He filled many notebooks with ideas and drawings for machines. These machines worked with water or air. Some of his machines were built in his lifetime. Many would not be built for hundreds of years. Many are things we use every day.

Leonardo was the first to invent a parachute. The parachute helps people float safely from a plane to Earth.

Leonardo's was made of stiff linen. It was 36 feet across. Today's parachutes are made of thinner cloth. They are also much smaller. Leonardo's parachute was never made. No one knows if it worked.

Leonardo also created a fan. It was used to move air, just like fans today. But there was no electricity then. Instead, the fan could be turned by hand or by the force of water.

Another of his ideas was a flying ship. Leonardo thought this ship could carry people. It was a small ship with flapping wings. Cranks and screws made the wings move. The wings were supposed to flap like a bat's wings.



Name \_\_\_\_\_ Date \_\_\_\_\_

**1. How was Leonardo da Vinci's parachute different from parachutes today?**

- Ⓐ It was much smaller and lighter.
- Ⓑ It was bigger and made of a different cloth.
- Ⓒ It was very brightly colored.
- Ⓓ It had wings that flapped up and down.

**2. How were all of Leonardo's machines alike?**

- Ⓐ They all carried people.
- Ⓑ They were all made of cloth.
- Ⓒ They were all modeled after animals.
- Ⓓ They all worked with water or air.

**3. How was Leonardo's fan different from fans used today?**

- Ⓐ It used electricity.
- Ⓑ It did not use electricity.
- Ⓒ It was much bigger than fans used today.
- Ⓓ It was much smaller than fans used today.

**4. How was Leonardo's fan similar to fans used today?**

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**5. How is an airplane similar to Leonardo's flying ship?**

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