

Name:

Date:

Lift



Here's a quick demonstration to help you discover how aerodynamic forces work.

- 1) Hold a piece of paper close to your mouth letting the length hang loose in front of you.
- 2) Take a big breath and blow over the top surface of the paper.
- 3) Have a friend observe what happens to the paper.
- 4) Try blowing gently and strongly. Does the strength affect the result?
- 5) Discuss your findings.

This phenomenon is called The Bernoulli Principle. It was described in 1738 by Daniel Bernoulli.

An increase in air flow produces a decrease in pressure and a decrease in air flow produces an increase in pressure.

How does this phenomenon create lift in flight?
