

**Goal** • Understand Bernoulli's Principle and how it relates to flight.

**Think About It**

In the 1700s, a Swiss mathematician named Daniel Bernoulli showed that a liquid or gas creates less pressure as its speed increases. This principle is called Bernoulli's Principle. Bernoulli's Principle plays an important role in flight.

**What to Do**

Answer the following questions about Bernoulli's Principle.

**Questions**

1. In your own words, explain the role Bernoulli's Principle plays in generating lift.

---



---



---

2. Draw a diagram to support your answer to question 1.

3. Explain what effects the following changes in shape would have on a wing during flight. Refer to Bernoulli's Principle in your answer.

**Change****Possible Effects**

#1 Wing is less curved.

---



---

#2 Wing is more curved.

---



---