

CHAPTER 3**HANDOUT****Bernoulli's Principle Review****BLM 3-4**

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.
