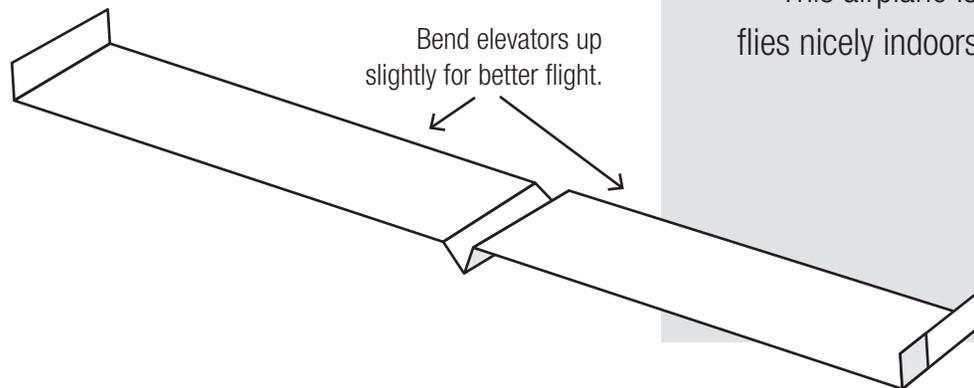
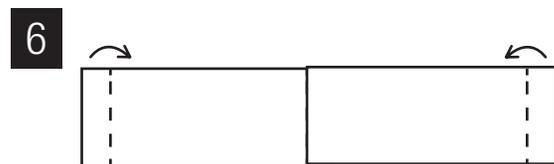
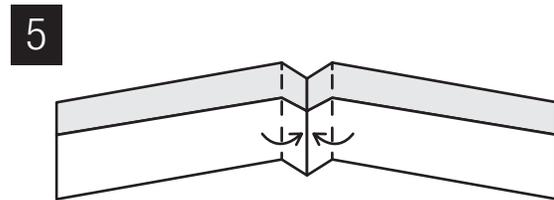
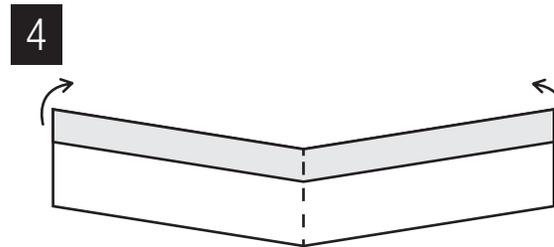
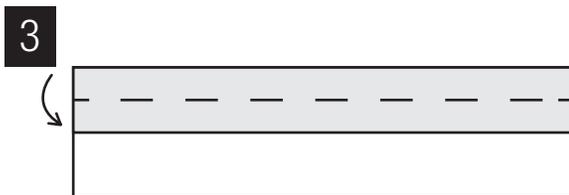
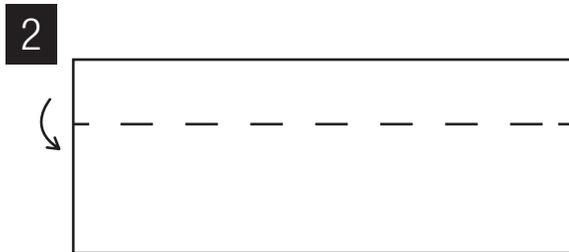
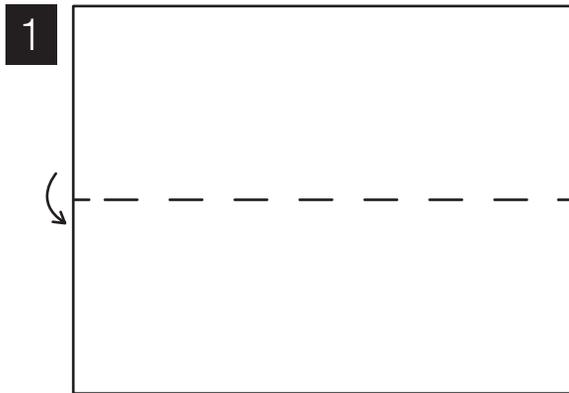


# Build It Yourself . . . Glider Contest

from *Renewable Energy: Discover the Fuel of the Future with 20 Projects*

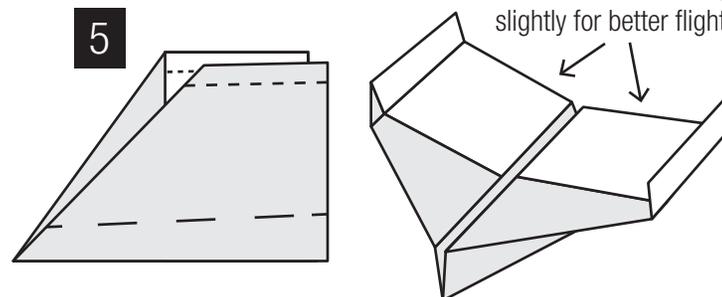
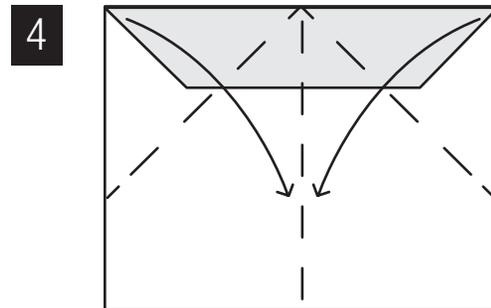
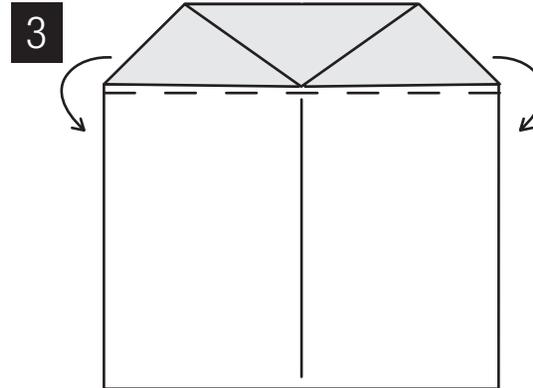
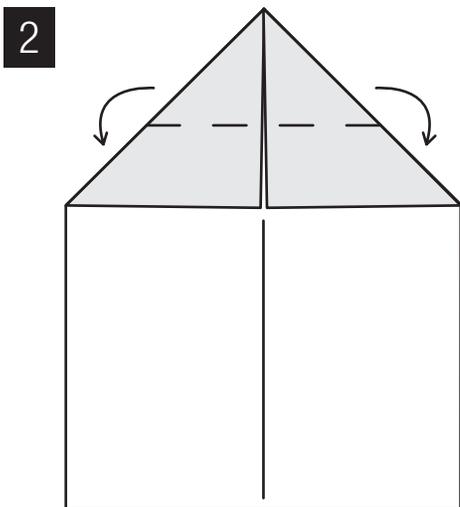
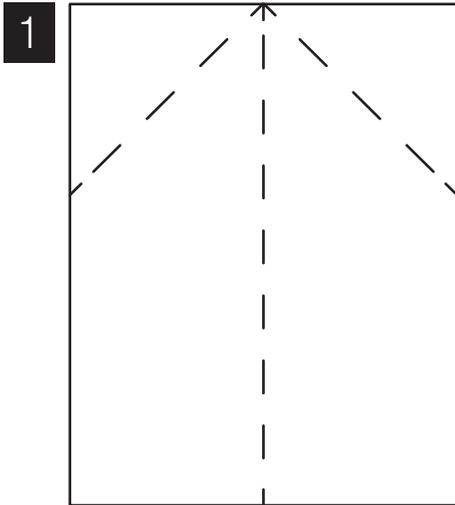


## Flying Wing

printer paper

1. Fold an 8.5-by-11-inch sheet of paper in half lengthwise.
2. Fold the top third of the paper down from the open end.
3. Fold the top down again to the bottom of the previous fold.
4. Fold the plane in half away from you, then open back up.
5. Fold each wing down about one inch from the center.
6. Fold the wing tips up.

This airplane is not very stable, but it flies nicely indoors. To fly it, just give it a light push forward.

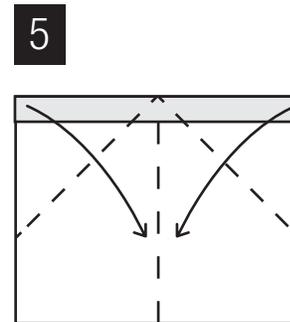
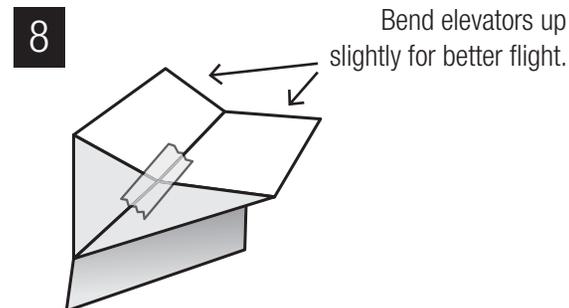
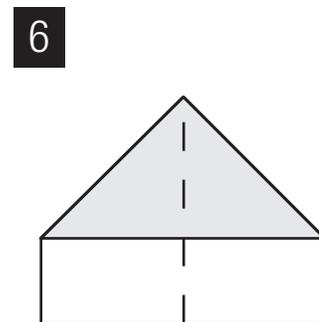
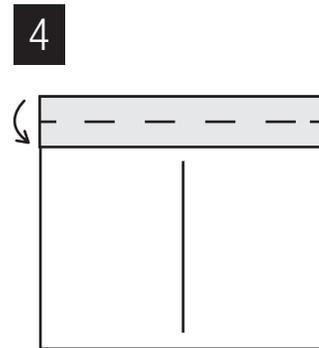
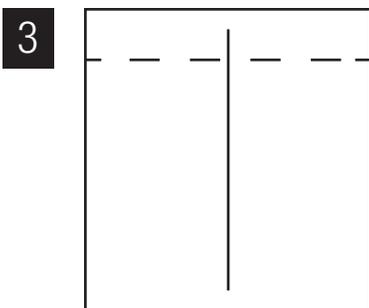
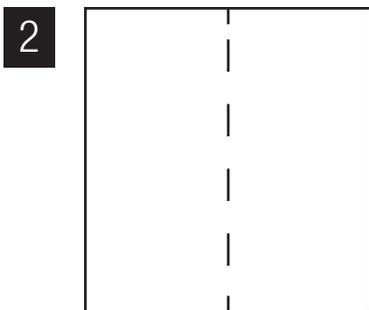
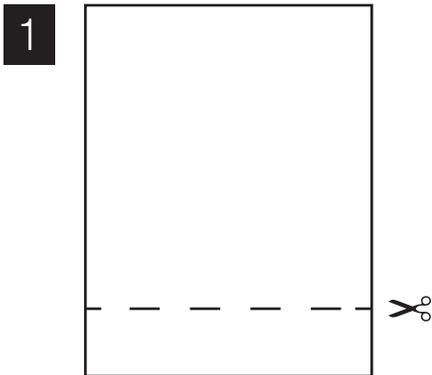


## High Glider

printer paper

1. Fold an 8.5-by-11-inch sheet of paper in half lengthwise and open back up. Fold the top corners down to the center.
2. Fold the point over the bottom of the previous folds.
3. Fold the top down.
4. Fold the top corners down to the center. Fold the plane in half towards you.
5. Now fold the wings out at an angle as shown. Fold the wing tips up.

If you throw this one almost straight up, you might get flights of 10 seconds. It is also a good, straight, indoor airplane.



## Master Glider

printer paper • scissors • tape

1. Start with an 8.5-by-11-inch sheet of paper. Cut 2 inches off the bottom.
2. Fold in half lengthwise and open back up.
3. Fold the top down 1.5 inches.
4. Fold the top down again 0.75 inches
5. Fold the top corners down to the center.
6. Fold up and across vertically and crease this fold well.
7. Fold wings down at a slight vertical angle.
8. Tape wings together.

This is a very stable glider that can hit buildings and trees and continue flying. It can fly in wind and it also can fly high and for a long time.

**FOR BEST FLIGHT:** Bend the leading edges of the wings down at a slight angle, fold the back half of the wing tips up, and make sure you add just a little up elevator. The wings should be perpendicular to the fuselage. When throwing the plane, hold it in the center of the fuselage and throw it at an angle upwards. (However, even if you throw it fairly level, it will refuse to make a short flight!)

For paper of smaller size, a piece of tape is not necessary in the construction of the plane.