

Section 1

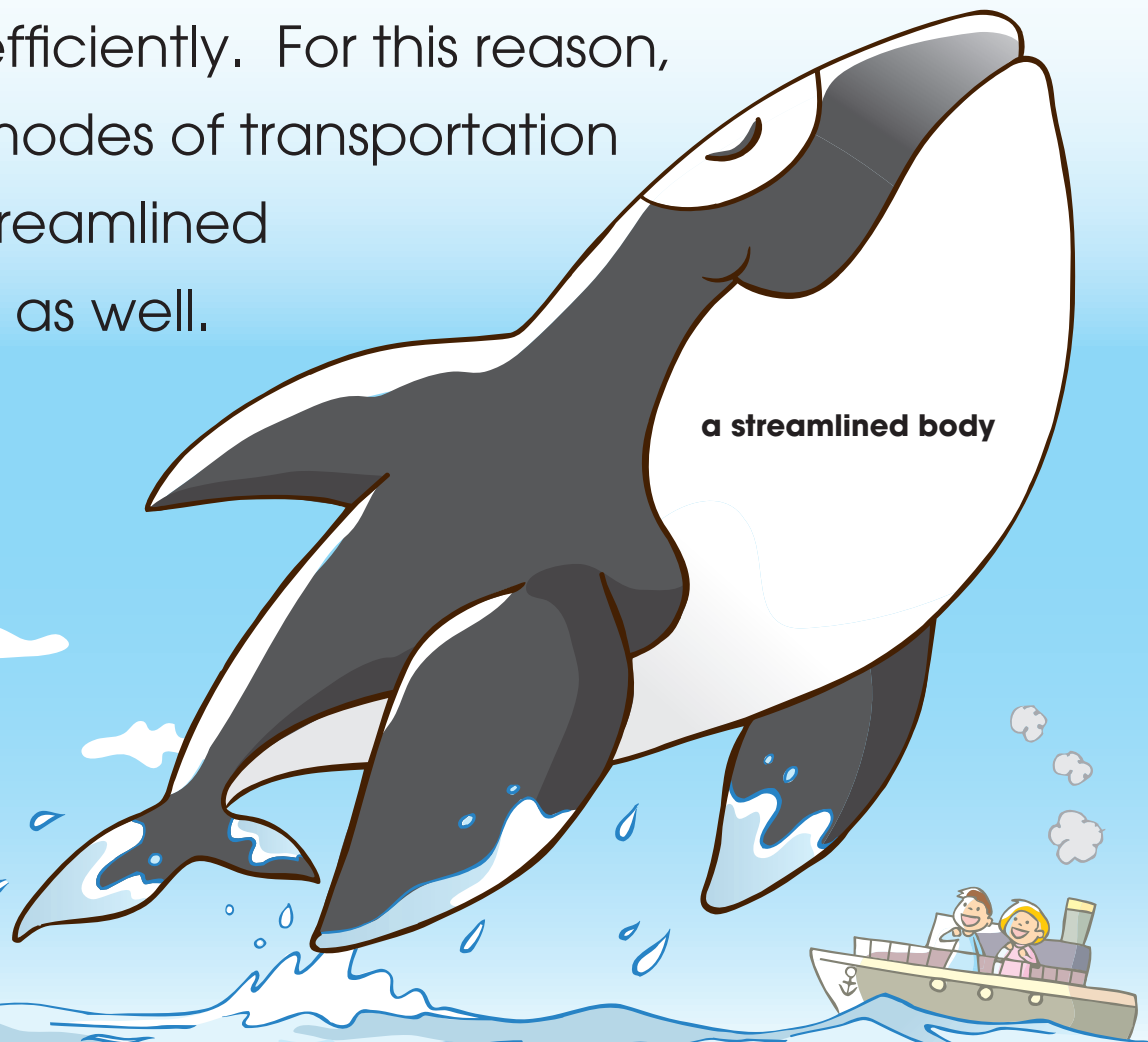
Understanding Life Systems

EXPLORATION 2

Shape matters!

Explore the effectiveness of streamlined bodies for animals.

Have you noticed how the shapes of cars, planes, and ships help them move efficiently on land, and through air and water? Even in nature, animals like seagulls and whales have streamlined (teardrop-shaped) bodies that help them reduce resistance and move efficiently. For this reason, many modes of transportation have streamlined designs as well.



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EXPLORATION 2

Shape matters!

Try this activity to see how streamlined designs support flights.

Steps:

1. Follow the steps on the next page to fold two paper planes.
2. Fly both planes in the same open area and compare the results.



After this activity, you should have noticed that Plane A was more stable and flew farther. This is because Plane A had a streamlined body.

A streamlined body has reduced resistance when it moves through air or water. Can you name some animals or objects that have streamlined bodies?

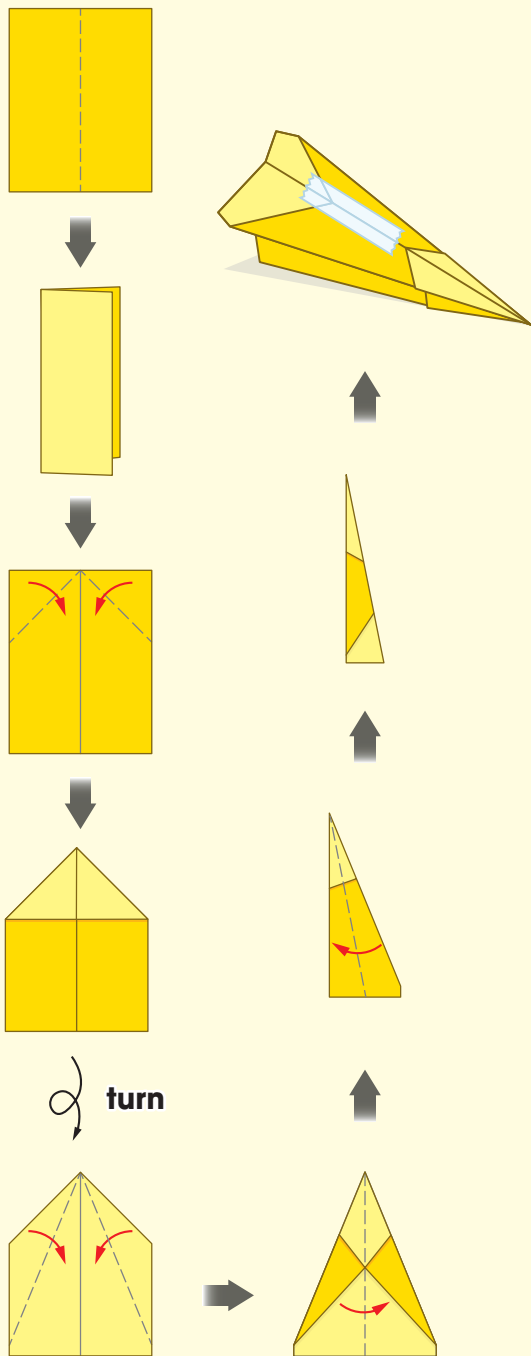
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Understanding Life Systems

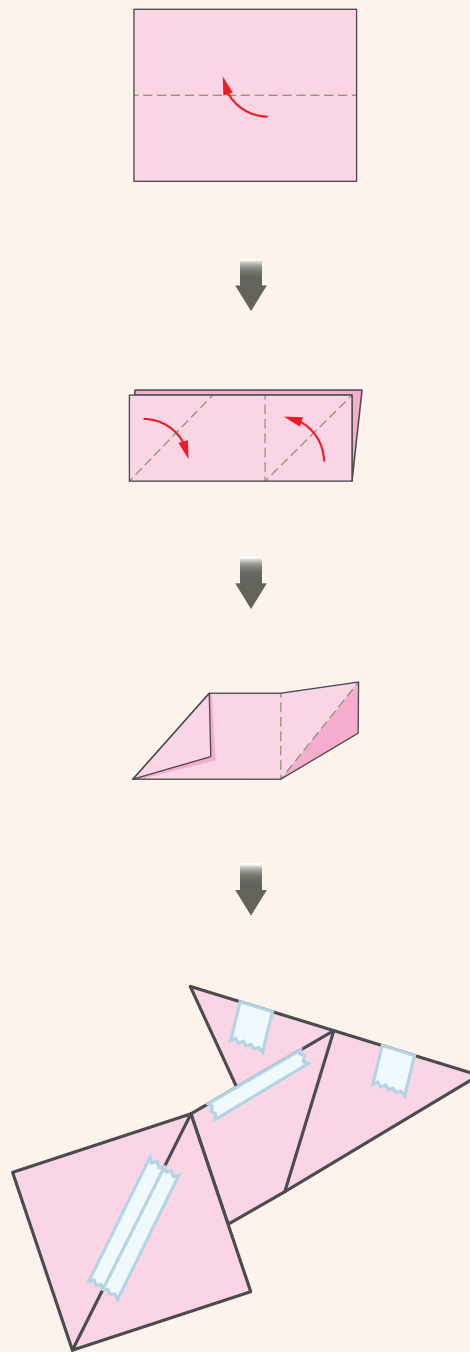
EXPLORATION
2

Shape matters!

Plane A



Plane B



Section 1

Understanding Life Systems

EXPLORATION
2

Shape matters!

Colour the objects and animals that have streamlined bodies.

