

Activity 1



Grade 6 Science and Technology

Strand 1: Properties of Air and Characteristics of Flight

Adaptations of Living Things that Enable Flight (page 2)

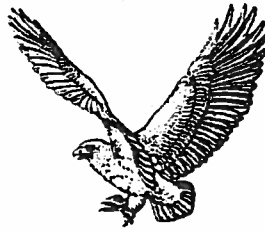


Adaptations that Allow Bats to Fly



- have wings that are made of skin that is stretched across bones;
- body is flattened, have few bones making body very light;
- powerful muscles are attached to wings.

Adaptations that Allow Birds to Fly



- have wings that are made of two types of flight feathers;
- body is light, most bones are hollow, feathers are strong and hollow;
- powerful muscles are attached to wings.

Adaptations that Allow Insects to Fly



- most insects have two pairs of wings that are made of thin skin;
- body is small and light;
- main part of body is all muscle that is used to power wings.

Adaptations that Allow Pollen and Seeds to Fly

Plants do not move about like animals. They cannot move to find water or more sunlight. Plants need help to be able to grow in other places. Flowering plants produce male and female sex cells in different parts of their flowers. They rely on wind or animals to carry pollen to be fertilized or seeds to be deposited away from the plant.

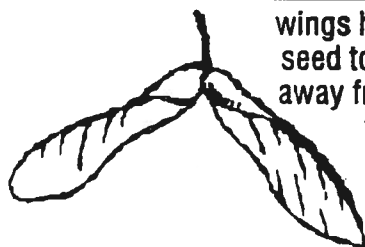
Adaptations that Allow Pollen to Fly



tiny pollen grains carried by wind

- pollen are tiny, round, light grains that float on air;
- during a breeze the plant is shaken and pollen is released and is carried by the breeze;
- pollen is produced in huge quantities.

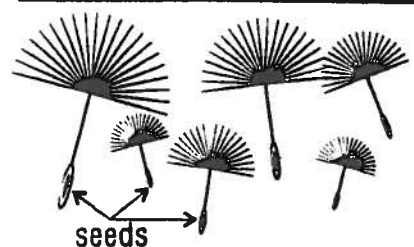
Adaptations that Allow Tree Seeds to Fly



wings help seed to fly away from tree

- seeds covered by wings;
- during a strong wind the winged-seeds rotate like the blades of a helicopter and fly far from the tree;
- seeds are produced in large quantities;
- trees like the Sycamore, Maple, and Ash produce winged-seeds.

Adaptations that Allow Plant Seeds to Fly



- seeds are at the base of a large fluffy top;
- during a breeze the seeds are carried like a kite, when the wind slows, they fall like a parachute;
- seeds are produced in large quantities;
- examples are Dandelions and Thistles.