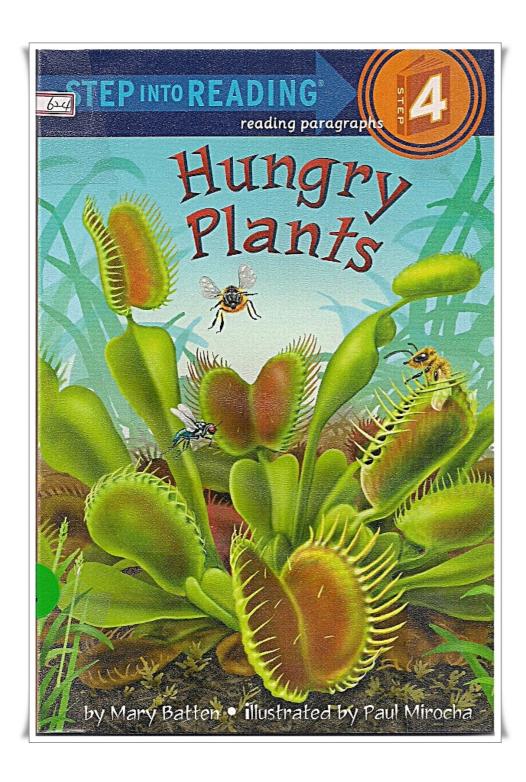
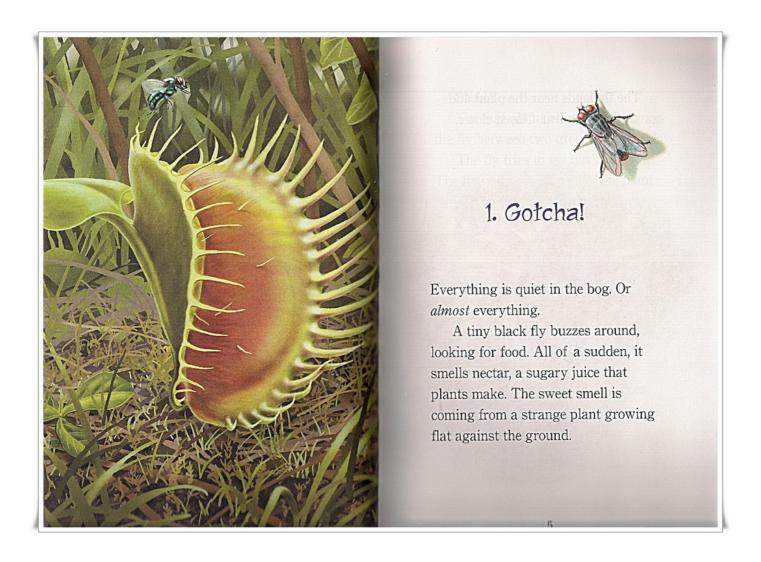
L4-Hungry plants(2-1)

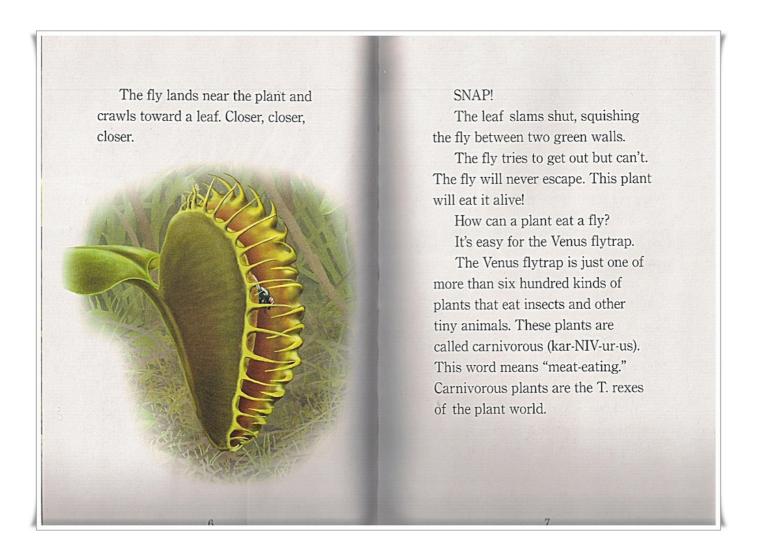
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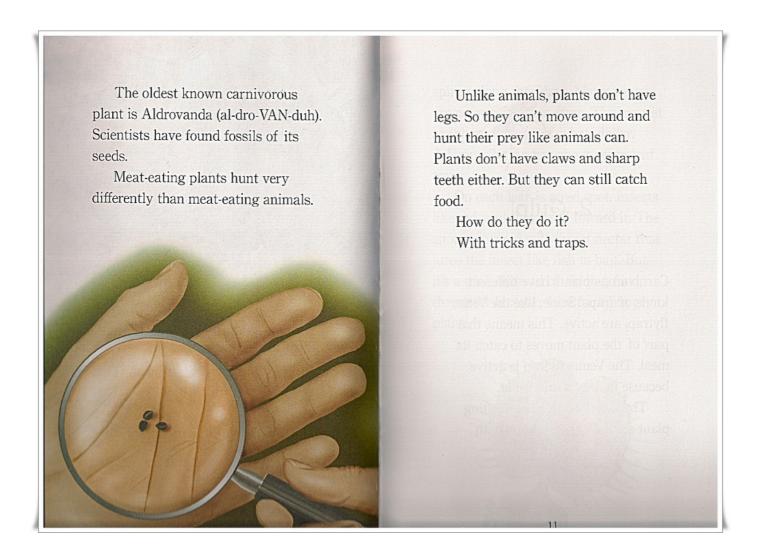


Eating bugs might seem like a strange thing for a plant to do. And it is. Most plants get everything they need to be healthy from sun, rain, and soil. But insect-eating plants grow in very poor soil. They make up for this by eating bugs. For these plants, eating bugs is like taking a vitamin pill.

Scientists say that insect-eating plants are very old. The first one appeared about sixty-five million years ago, around the time of the dinosaurs and long before there were any people on Earth.

We know about these old plants because just as there are dinosaur fossils, there are also plant fossils.







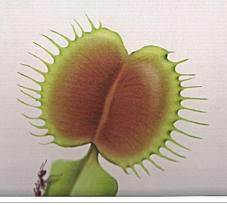
2. Gulp!

Carnivorous plants have different kinds of traps. Some, like the Venus flytrap, are active. This means that part of the plant moves to catch its meal. The Venus flytrap is active because its leaves snap shut.

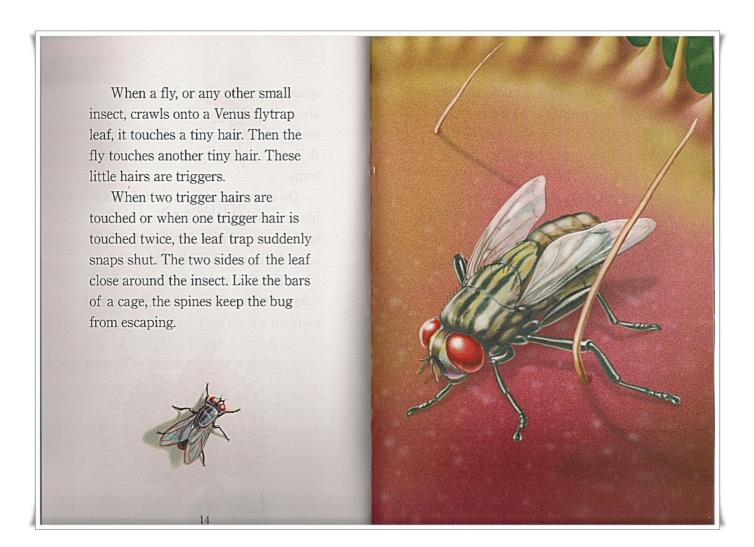
The leaves of this meat-eating plant are really small traps with

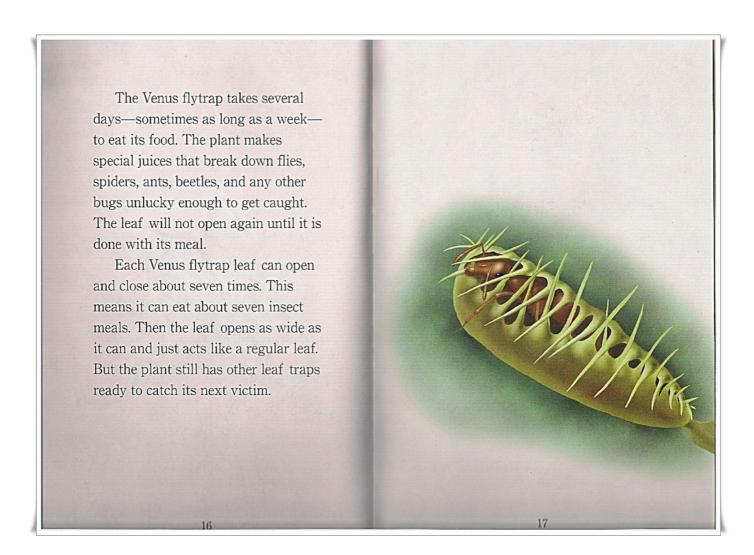
spines along the edges. Many traps are no larger than a dime. The biggest are about the size of a half-dollar. A Venus flytrap has about seven leaf traps.

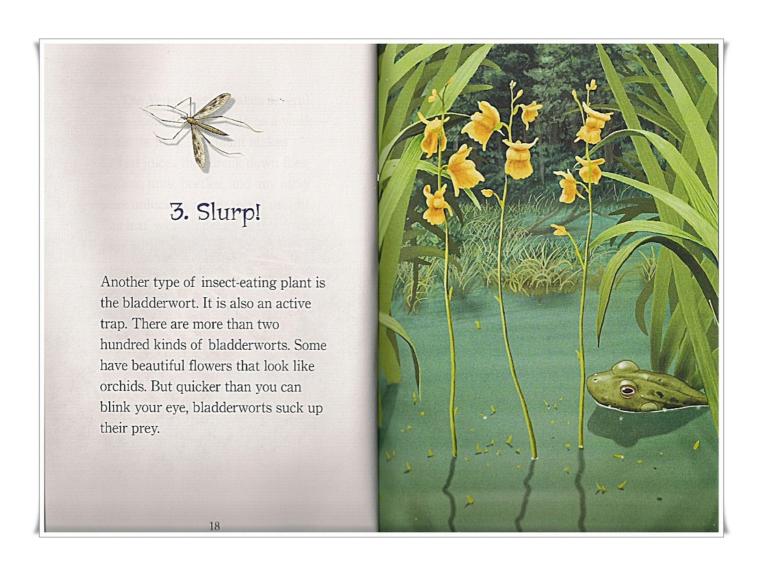
On each leaf is a red spot. Insects like red, and they head toward it. The spot is covered with sweet nectar that lures the insect like fish to bait. But it's a trick. Instead of finding food, the insect *becomes* food for a hungry plant.

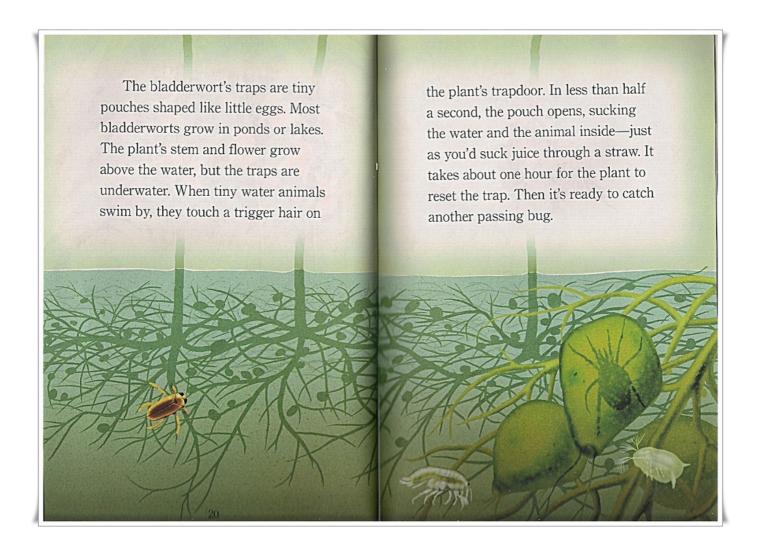


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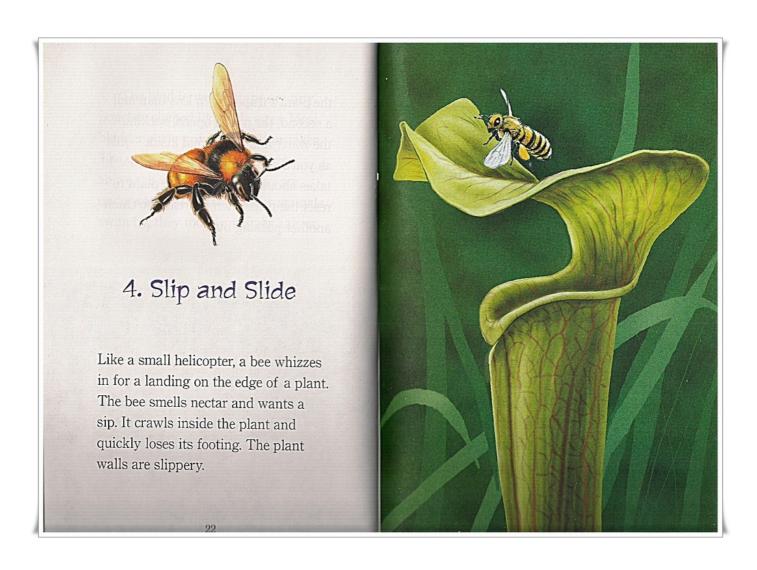


L4-Hungry plants(2-2)

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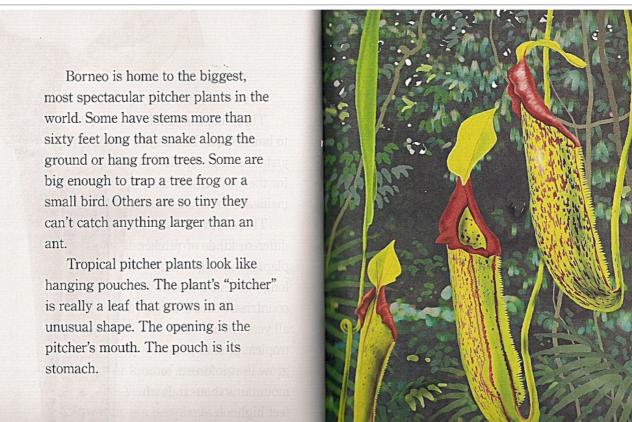
The bee begins to slide. It tries as hard as it can to climb out, but tiny downward-pointing hairs keep it from crawling back up. Down, down, down the bee slides. It can't stop. At the bottom of the plant is a pool of water. SPLASH! The bee falls in. It can't get out. Soon the bee drowns. Then chemicals in the water help the plant

digest the bee just as chemicals inside your stomach help you digest your food.

The unlucky bee fell into a pitcher plant, another kind of carnivorous plant. Unlike Venus flytraps and bladderworts, pitcher plants don't move. So they are called passive traps.

They, too, use nectar to bait insects. But they just sit still and wait for their victims to fall inside.

There are many different kinds of pitcher plants. Some grow on long vines in tropical countries where it is hot all year round. Many tropical pitcher plants grow in rainforests on mountains thousands of feet high.



Most tropical pitcher plants are climbing vines that usually have two types of pitchers. Lower pitchers are shaped sort of like cans. Because they are closer to the ground, lower pitchers catch crawling insects. Upper pitchers are shaped like funnels. Upper pitchers catch mostly flying insects such as honeybees, flies, and hornets.

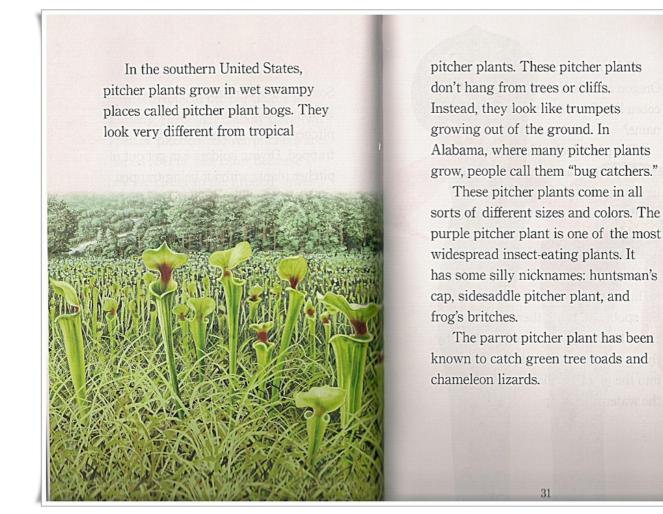
Above the plant's mouth is a hood that acts like a little umbrella. It keeps the pitcher from filling up with rainwater. Flying insects use the hood as a landing pad.

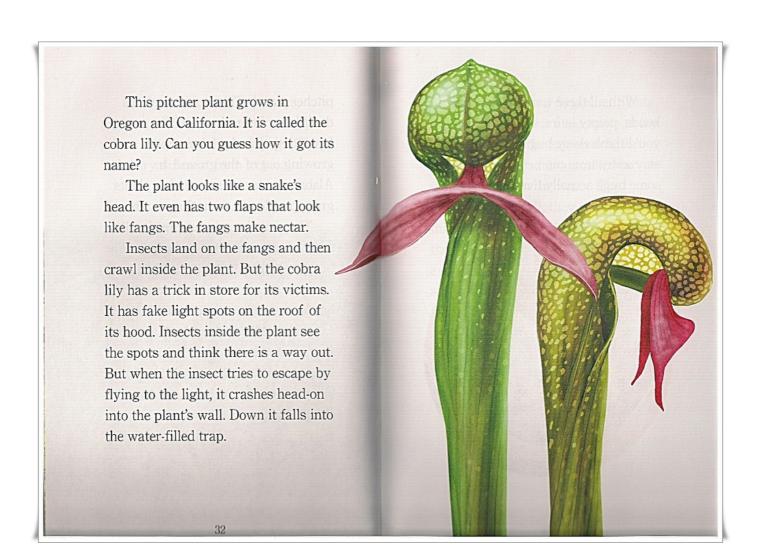
The pitcher doesn't always get a chance to eat every bug it catches.

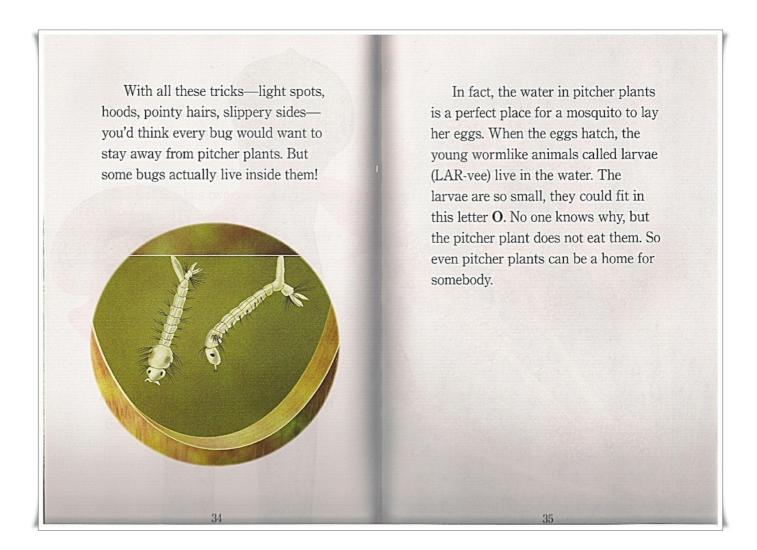
Sometimes it is robbed by a food thief. A diving spider can dive into the pitcher and steal a bug the plant has trapped. Diving spiders can get out of pitcher plants without being trapped.

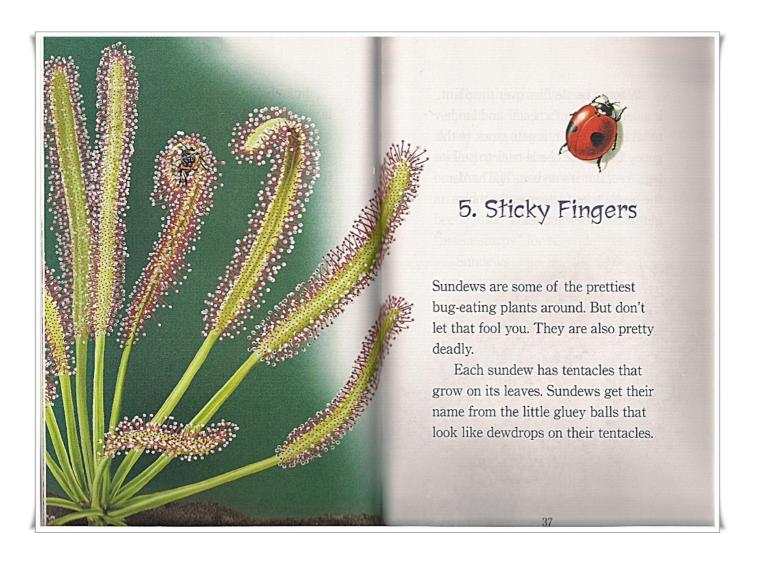
They crawl up a silk thread that they spin from their bodies. The thread acts like a safety line.

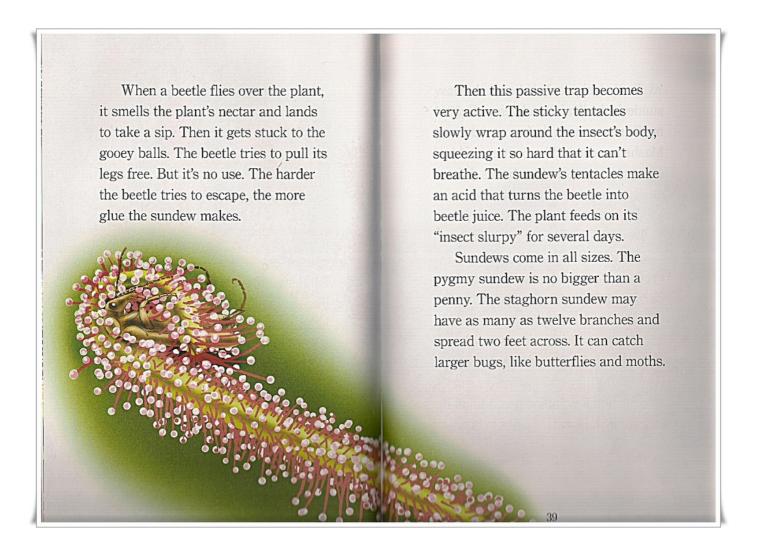






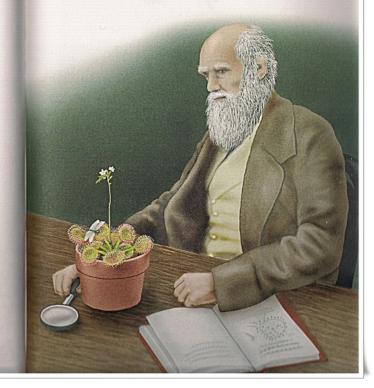






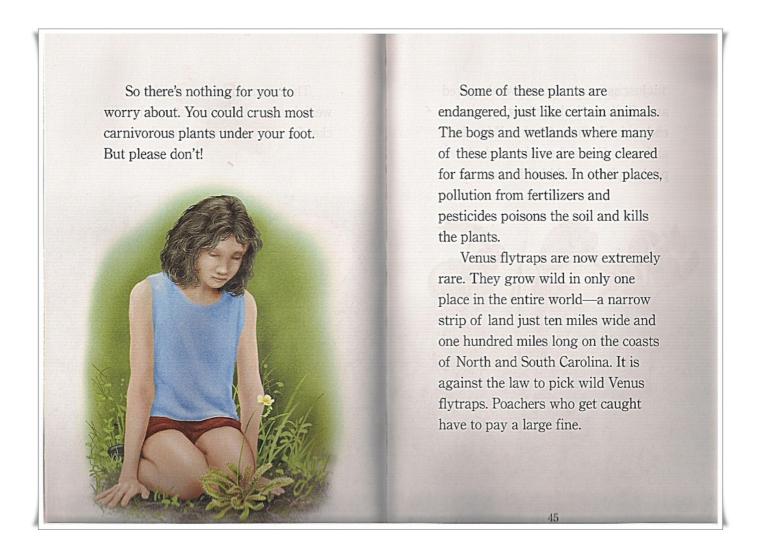
Long ago, people believed that sundews could cure sickness. Many medicines were made from sundews. Mashed or chewed leaves were rubbed on warts, corns, and sunburns. Juices or teas made from the leaves were used to treat different diseases and problems such as asthma, whooping cough, and even toothaches. Some doctors today think that as a cough medicine, this old home remedy really works!

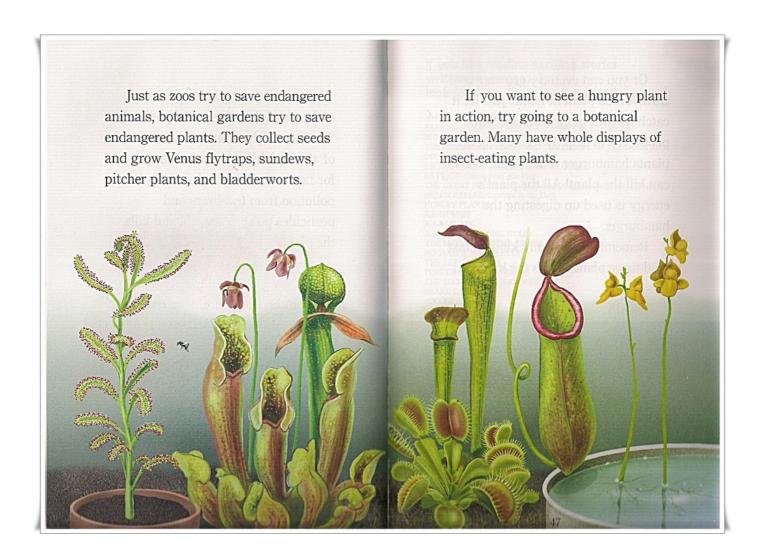
The great British scientist Charles Darwin was fascinated by sundews. He thought they had a stronger sense of taste and touch than any animal he had studied. Darwin spent twenty years studying insect-eating plants. In 1875, he wrote an entire book about them.

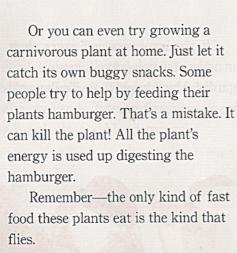


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plants hamburger. That's a mistake. It

SNAP!



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