

How plants defend themselves

If living things are to survive, they must have lots of ways of protecting themselves.

Plants are food for animals. This means that plants are always being eaten (Picture 1). Sometimes plants are also affected by fire or damaged by storms or drought. But the world is still full of plants. So how do they survive?



▲ (Picture 3) Stinging nettles protect themselves with poisons held in tiny hollow spines.

▲ (Picture 1) A hungry caterpillar will munch its way through many leaves. But some leaves contain poisons to protect themselves.

(Picture 2) A rose plant defends itself with the thorns on its branches. It also grows new shoots very quickly if old branches are damaged.

How plants protect themselves

Plants have many ways of protecting themselves from attack. Some plants have poisons in their leaves so that hungry animals will avoid them. Others surround themselves with sharp spines or thorns (Picture 2). Still others have poisons held in tiny needles (Picture 3).

If all this fails, and the leaves still get eaten or the branches destroyed by wind or fire, then plants will grow new shoots from just below the damaged area.

The need to regrow is so important to a plant that you can even cut some trees down to the ground and shoots will soon appear from the stumps.

Bracken is a good example of a plant that uses all sorts of tricks to survive (Picture 4). This has made it one of the world's most successful plants.

Summary

- Plants are food for animals and so are often damaged.
- All plants need ways of regrowing.

(Picture 4) Bracken and

Some plants survive by keeping most animals away.

