



DK Eye Wonder

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Trapped in time

We know that insects were around over 40 million years ago because some were trapped in a substance called amber, which hardened back then.

Bugs, bugs, bugs

Thorax

Most of the bugs that you know are called arthropods, which means they have their skeleton on the outside of their bodies. There are over a million known species of arthropods on the Earth. Here are a few types to spot.

Abdomen

What is an insect?

You can spot an insect by counting it's body parts and legs. They all have six legs and three body parts – a head, a thorax, and an abdomen.

Extreme bugs

- The petroleum fly lives in puddles of crude oil and feeds on insects that get stuck in it.
- Some midges can be put into boiling water and survive.
- Snow fleas can survive in sub-zero temperatures. If you pick one up it will die in the heat of your hand.

What is a myriapod?

Head

If you try counting the legs on a creepy crawly and you find you can't, the chances are you are looking at a myriapod, such as a millipede or centipede. They have lots of segments and lots and lots of legs!

What is an arachnid?

All arachnids have eight legs. Watch out however, other than spiders, a lot of arachnids look like insects so count carefully.

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Leapers and creepers











Imagine being able to taste with your feet, or having eyes as big as your head. Sounds odd? Well bugs have some pretty strange ways to find their way around and sniff each other out.

Feeling the way

Some insects, such as this cave cricket, live in dark places where there is little light. Because of this their eyesight is not good.

Instead they use long feelers, or "antennae", which stop them from

bumping into walls all the time in the pitch black.



Powerful perfume

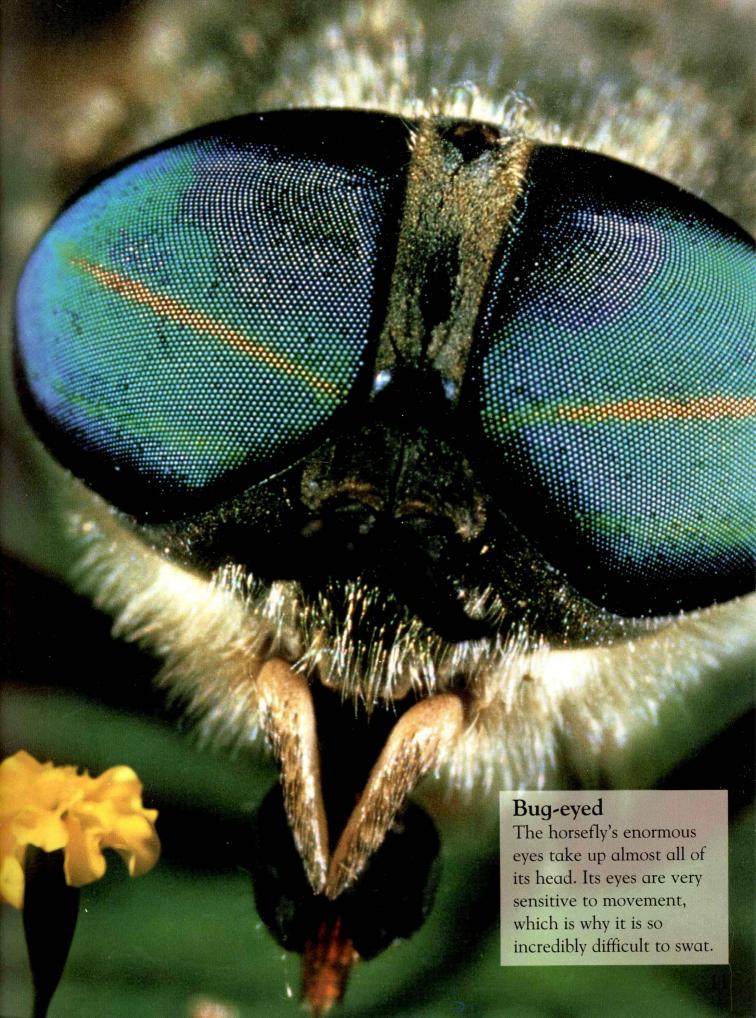
Antennae are also used to smell. This male moth has two hairy antennae that can smell a female moth from 11 km (6¹/2 miles) away!

A matter of taste
This butterfly tastes
with its feet. When it
lands on a particularly
tasty flower, its long mouthparts, or "proboscis",
unfold automatically
and allow it to drink.

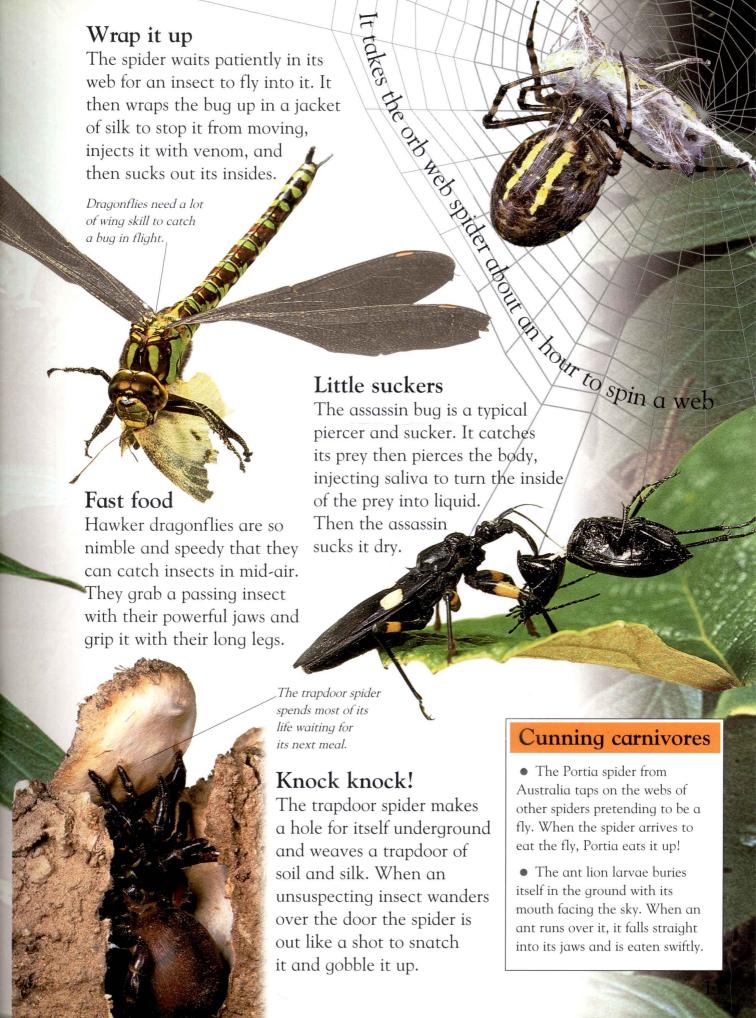
Bending your ear

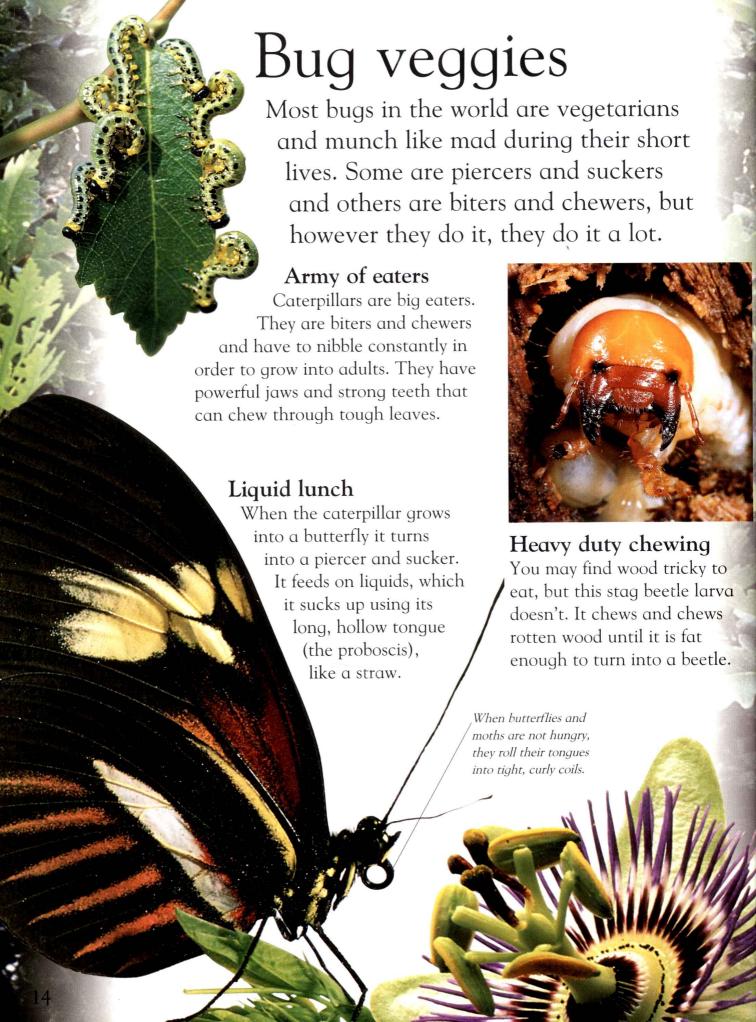
Bug's ears can be found on their wings, bellies, or heads and believe it or not, this katydid (bush cricket) listens with its knees! The slits on the legs are ears that can pick up other cricket's calls.

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Now you see me...

Lurking in the undergrowth there are many bugs that look like bugs, and many bugs that don't. Cunning camouflages help some bugs to catch a meal and others to avoid becoming one.

Spiky survivors

Birds are not going to risk landing on a prickly branch, so what better a disguise than to look like a spiky thorn – as long as these treehopper bugs keep still. Flower power

If you look carefully at these beautiful flowers, you will be able to work out the shape of an orchid mantis. It can change colour from white to pink to blend in with the particular flower that it chooses to sit on.

Lost among leaves

As long as this leaf mimic katydid sticks to the right leaves, it definitely won't be spotted. It even has veins on it's back just like the real leaves have.