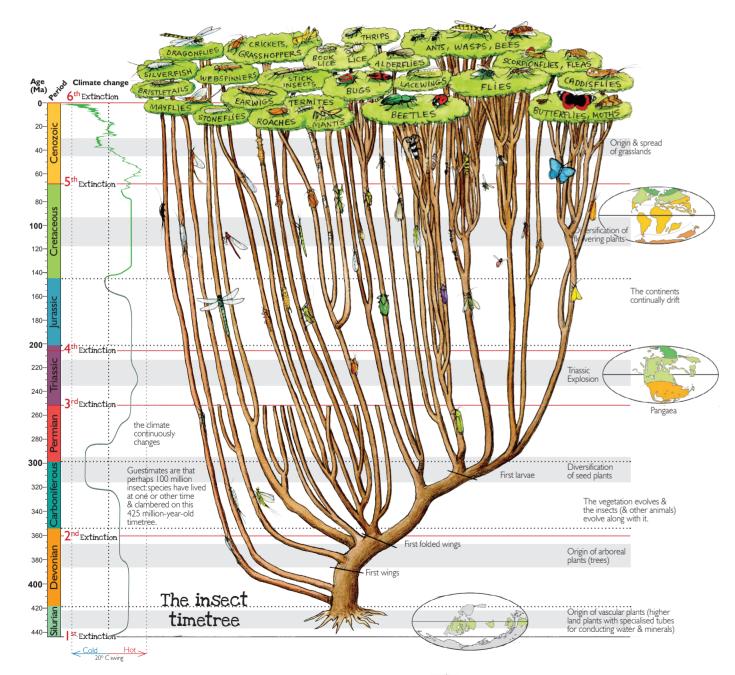
## BiodiverSity Extinction Part 5 Insects

Compiled by Drs John Anderson, Clarke Scholtz (UP) & Connal Eardley (ARC, Pretoria); Illustrations by Hannah Bonner (Mallorca); Layout by Ditshego Madopi

The insects first appeared some 425 million years ago (in the Late Silurian). They're a good deal older than the flowering plants, birds and mammals that we've already looked at. And they're by far the most diverse group of organisms around.















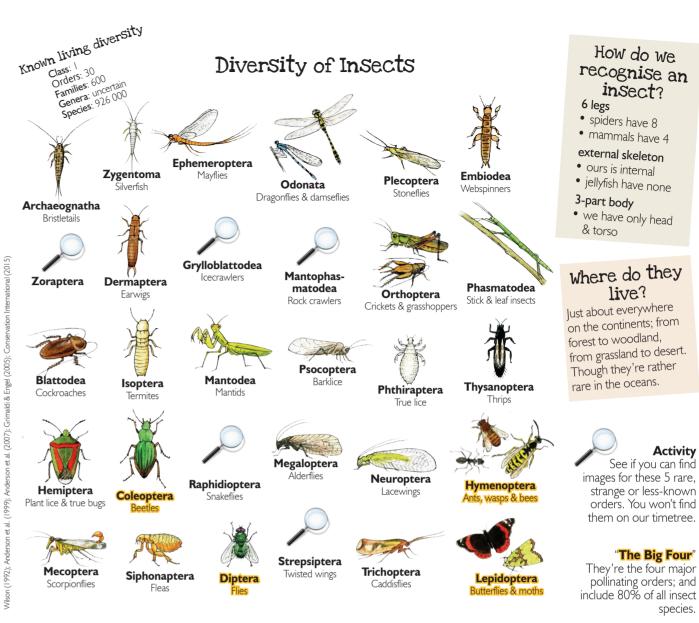




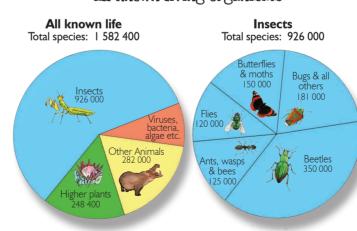








## Observed species diversity of all known living organisms



Scientists over the last 300 years or so have described close to I million species of insects.

But the best estimate of how many insect species actually live in our world is about **5 million**. So, very remarkably, 4 out of every 5 insects living in our forests, woodlands and grasslands are still unknown.

## 6th Extinction

As we still know nothing at all about 80% of the different kinds of insects living out there, it is impossible to know how many we have already caused to go

insect?

live?

**Activity** 

See if you can find

"The Big Four"

But just think of this. We humans have destroyed over 80% of the habitat in the 34 biodiversity hotspots on Earth (see Part 2 of this series). It is certain then, that we have already wiped out a vast number of insect species: before even knowing they ever existed.

Yet the insects in general are the greatest survivors! They survived the previous 5 global extinctions and they'll survive the 6th: if we remain unconcerned enough let it run its course!

> The insects are crucial to the health of our environment. Yet most of us are not very friendly towards them and destroy them without too much thought at all.

How about chatting to your parents about preserving rather than cutting down the trees around us. And how about loving the wonderful diversity of Nature!