# The first mass extinction

### 440 million years ago

## Ordovician-Silurian extinction

#### Species made extinct: 85%

It occurred in a period when organisms such as corals and shelled creatures such as trilobites filled the world's shallow waters but hadn't yet moved onto land.

The cooling process and mass glaciation caused it but we are not sure what triggered the events. It might have been a gammaray burst from a supernova, volcanic activity or mountain erosion.

# The second mass extinction on Earth

374 million years ago

Late Devonian Mass extinction

#### Species made extinct: 70%

The Earth climate stabilized and species adapted to new environments, but many aquatic plants adapted to live on land, leaving fewer autotrophs to create oxygen for all of the sea life. Temperatures plummeted because of removing too much of the greenhouse gas so quickly and land spieces were unable to adapt to these changes. Later probably followed many vulcanic eruptions, which lead to even more extinct species.

# The third mass extinction on Earth

### 252 million years ago

The Great Permian Extinction known as "Great Dying"

#### Species made extinct: 95%

Life on Earth was diverse It is also known as "Great and more complex, both dying". Scientists think that in seas and on land. on the Earth started great There were many types of volcanic eruption in Siberia, animals, reptiles, insects, which released huge amphibians and even amounts of CO2 to the ancestors of mammals. atmosphere and the climate This largest extinction heated up. Sea levels rose wiped out 95% of all the and acid rain beat down on planet's species. the land.

# The fourth mass

# extinction on Earth

20 million years ago

### FIGSICE UTGSSICE HIGHO

#### Species made extinct: 76%

It occurred at the end of the extinction paved the way for the dinosaurs later dominion. Its cause is debated to be climate to be climate appeared and at its end also the first mammals.

# The fifth mass extinction on Earth

65 million years ago

Cretaceous-tertiary extinction

## Species made extinct: 75%

Dinosaurs dominated on land, marine life included ammonites and reptiles, new mammals and birds appeared and flowering plants began to diversify. contributed. Giving way to The climate was warm, the poles lacked ice. Probably caused by a large asteroid impact near the Yucatan, which would cause a long impact winter, climate change maybe large-scale radiations of new species, e.g. mammals.