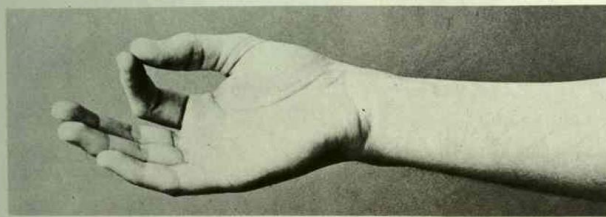


Match the word to its meaning

- Precision grip a grip that involves all the fingers of the hand equally
- Power grip opposes the tip of the thumb to the tips of the other fingers
- Cultural evolution living species of the human lineage
- Hominin group containing humans and African apes
- Hominid acquisition of knowledge, attitudes, beliefs, information by learning

Precision grip – ("opposability")

**a grip that involves
opposing the tip of the
thumb to the tips of the
other fingers**

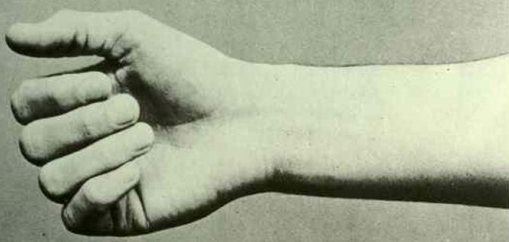


(4)

OPPOSABILITY is ability to sweep thumb across palm while rotating it around its longitudinal axis. Many primates can do this, but underlying structures are best developed in man.
Photographs by Robert Saracco

Power grip – ("prehensility")

**a grip involving all fingers of the
hand equally, as in grasping a
baseball**



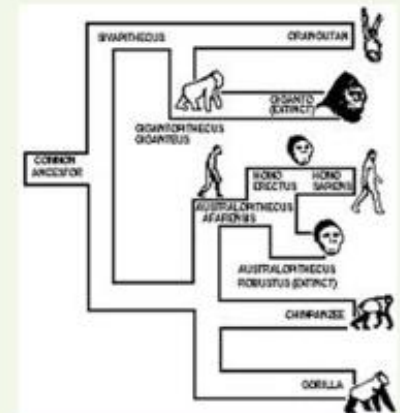
(3)

PREHENSILITY, the ability to wrap the fingers around an object, is a special primate characteristic, related to the emergence of the specialized thumb during evolutionary process.

KEY VOCABULARY

Homonins and Homonids

- **Homonin**
 - A living or fossil species of the human lineage.
- **Homonid**
 - The group containing humans and African apes (Gorilla, Chimpanzee and Bonobo)



Cultural evolution = the acquisition of knowledge, beliefs, attitudes, customs, information by learning.



Bald eagle



Mammoth



Dodo



Leopard



Sabre-tooth tiger

Put the animals into two groups: those that still exist on Earth and those that no longer exist on Earth.

Still exist on Earth



Bald eagle



Leopard



No longer exist on earth



Mammoth



Dodo



Sabre-tooth tiger

LO: To evaluate variables that contribute to the extinction of living things

What Does 'Extinct' Mean?

What Does 'Extinct' Mean?

A type of living thing that no longer exists

What Causes Extinction?



Extinction can happen over time due to natural factors, such as changes in climates or natural disasters like volcanic eruptions or meteors.

Any species normally has a lifespan and usually lasts 500 000 to 1 million years. Scientists know this from studying fossils. Fossils and geology also give us clues about large extinctions of species that have happened all around the same time. These are called mass extinctions.



The 'Big Five' Mass Extinctions

Now and again, in the history of our planet, there have been waves of mass extinction – officially five up until now...

Name	When?	Level of Extinction
End Ordovician	444 million years ago	86%
Late Devonian	375 million years ago	75%
End Permian	251 million years ago	96%
End Triassic	200 million years ago	80%
End Cretaceous	66 million years ago	76%

The Sixth Mass Extinction



We are now in the Cenozoic era and in what scientists are calling the sixth mass extinction. This sixth mass extinction is being labelled as the Holocene or the **Anthropocene extinction**.

If **anthropology** is the study of human society, what do you think the Anthropocene extinction refers to?

The Anthropocene extinction refers to a mass extinction caused by human activity. What sort of human activity could this include?



[Click for the answer](#)

What things can humans do to cause animals or plants to become extinct or in danger of extinction?



hunt or poach animals

create greenhouse gases that cause global warming

other activities that create climate change

pollute habitats with poisons or plastics

destroy habitats through deforestation

introduce non-native species to areas that have a negative effect on the native species (like the red squirrel)

Extinct Animals



Dodo



Woolly
Mammoth



West African
Black Rhino



Great Auk



Saber-
Toothed
Cat



Diplodocus



Can We Stop
Extinction?

Task – create a factfile for 2 of the animals below



Great Auk



Saber-Toothed
Cat



Dodo



Woolly
Mammoth



Diplodocus

West African Black Rhino

(Diceros Bicornis longipes)

Fact File

Size: 3 – 3.8m long

Weight: 800 – 1400kg

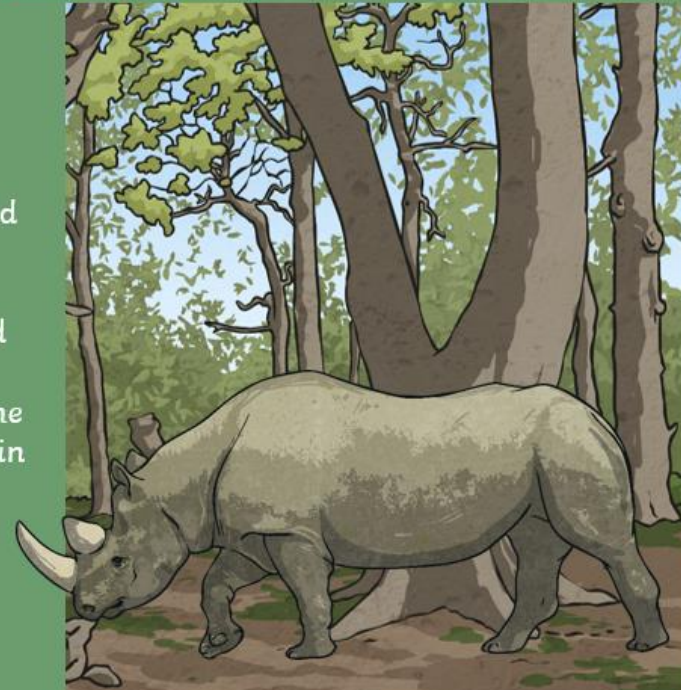
Habitat: South-East Africa in semi-desert savannah, wetlands, forest and woodlands

Diet: herbivore

Reason for extinction: It was hunted by humans for its horns.

Last seen: In 1930, the species became protected but was last seen in 2006 in Cameroon and pronounced officially extinct in 2011.

Interesting fact: Its two horns were 55 – 130cm and 2 – 55cm long and were thought to have medicinal powers.



Use the same subtitles as in the above example.

Review

Can We Stop Extinction?

Theodore Roosevelt, the US President from 1901 to 1909, once said:

“Of all the questions which can come before this nation... there is none which compares in importance with the great central task of leaving this land even a better land for our descendants than it is for us.”

Zoos and conservation organisations do a lot of brilliant work protecting species from extinction. There is work done to stop the hunting of endangered species and also breeding projects in zoos across the world.

Think about it

What do you think Theodore Roosevelt meant by this? Do you think something said in the early 1900s is still relevant today?

