

Extreme Environments KS2 knowledge mat

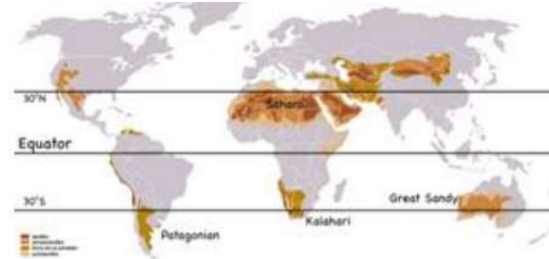
Key vocabulary

Habitat	The natural home or environment of an animal or plant.
Antarctica	A continent that is also known as the South Pole.
Sahara	Desert in northern Africa.
Desert	A waterless area of land which has little or no vegetation.
Topographical	The study of the physical features of an area.
Latitude/ Longitude	Latitude – horizontal lines that measure distance north or south of the equator. Longitude – vertical lines that measure east to west of the globe.
Ice sheet	Layer of ice covering land.
Glacier	Slow moving river of ice.
Peninsular	A piece of land almost entirely surrounded by water.
Adaptation	An organism changing to become better suited to its environment.
Ecosystem	A group of living organisms that live in and interact with each other in an environment.
Climate change	Long term changes in temperature and weather patterns.
Global Warming	Long term heating of the Earth's surface – it causes climate change.
Ernest Shackleton	An Irish explorer who led trips to the Antarctic.

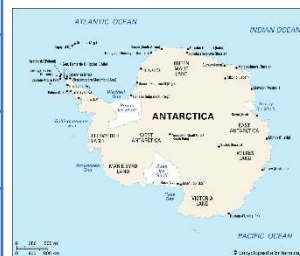
Sticky knowledge

Deserts are found around the Tropic of Cancer and Capricorn (30N and 30S).

Only some animal and plant life is found in **deserts**.



The continent of **Antarctica** is not owned by any country, and it is mostly untouched by human life. Only scientists live there for 6 months to two years.

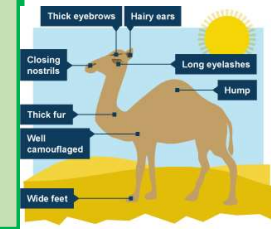


Important Places

Examples of extreme environments include...

Arctic and Antarctic, deserts, volcanoes, deep ocean trenches and outer space.

Animals such as camels have adapted to live in the hot and arid conditions of **deserts**.



Very little life lives on **Antarctica** because of the temperature.. Most animals that live there migrate in the winters. The ocean however, is full of wildlife.

Climate change is the greatest threat to **Antarctica**. Many scientists based in Antarctica are working on what might happen as our climate changes

Ernest Shackleton is a famous polar explorer whose Endurance Expedition to **Antarctica** failed in 1914-1916.

History of Antarctica Expedition

1572

Francis Drake spots the Drake Passage for the first time

1821

American John Davis is the first to set foot in Antarctica

1911

Norwegian Roald Amundsen and his team are the first to reach the South Pole.

1912

Robert Scott and his team perish in Antarctica.