

Topic	Habitats and adaptations of organisms	Level	For students aged 11-16
Outcomes	To identify biotic and abiotic factors in a habitat To understand what an adaptation is To explain why organisms are not adapted for specific habitats		

A great website on habitats: <http://www.bbc.co.uk/nature/habitats>

Once upon a time a boat carrying lots of different animals and plants hit rocks and began to sink. Some of the species clambered aboard bits of wood and were carried safely ashore to different parts of the World.



Habitat and 'lost' organisms	Description of environmental factors of the new habitat e.g. temperature, light/water availability, prey, predation.	What features of the organism make it poorly adapted for its environment? Think about nutrients, locomotion, reproduction, predation and thermoregulation.	What mutations would help the offspring to thrive? e.g. a mutation that caused the polar bear fur to become sandy coloured to camouflage it from prey.
Penguins in the African grassland			
Polar bears in the desert			
Fresh water trout in the open ocean			
Daisies in the rainforest			









Design an imaginary organism that would be adapted to live in this rockpool habitat in the U.K. Label the adaptations and explain how each adaptation enables the organism to thrive in that habitat.

Don't forget the tide comes in and goes out!

