



Arctic and Antarctic Animals Slide Show Viewing Guide

Where is the Arctic circle ?	
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List adaptations for...

Polar bears	
Arctic fox	
Caribou	
Walrus	
Whales	

Where is Antarctica ?	
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List adaptations for...

Undersea stars	
Albatross	
South Pole penguins	
Emperor penguins	
Weddell seals	

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Answer Key

Where is the **Arctic circle**? **Top of the Earth (Top of the top)**

List adaptations for...

Polar Bears: Small rounded ears, lose little body fat, hollow hairs trap warm air near body, non-slip soles help grip slippery ice

Arctic fox: Thick white fur in winter, thin brownish gray fur in summer (camouflage)

Caribou: Large antlers, broad hooves act like snow shoes in snow and paddles in water

Walrus: Heavy skulls protect brain when walrus smashes ice, tusks used like ice picks to lift body out of water, thick skin on neck and shoulders offers protection during fights, blubber for warmth and padding

Whales: Blubber for insulation, flukes help move up and down in water, blowhole, baleen plates to filter food

Where is **Antarctica**? **Bottom of the Earth (Bottom of the Top)**

List adaptations for...

Undersea stars: Grow very slowly, sometimes grow larger, long life

Albatross: Large wingspan to fly long distances on ocean winds, webbed feet to act as air "brakes," large eyes to find prey in choppy oceans, razor sharp edge on bill to catch fish and squid

South Pole penguins: Streamlined body for swimming, thick body fat for insulation, oar-like flippers propel through water, stiff tail with pointed feathers to use as rudder in water and support on land

Emperor penguins (behavioral): In the worst weather they huddle together in large groups to stay warm, taking turns on the outer circle, can hold breath for 20 minutes, male penguin holds egg for 2 months while female feeds in ocean

Weddell seals: Streamlined for diving, blubber for insulation, stay underwater for 45 minutes, teeth used to break open air hole in ice if necessary