



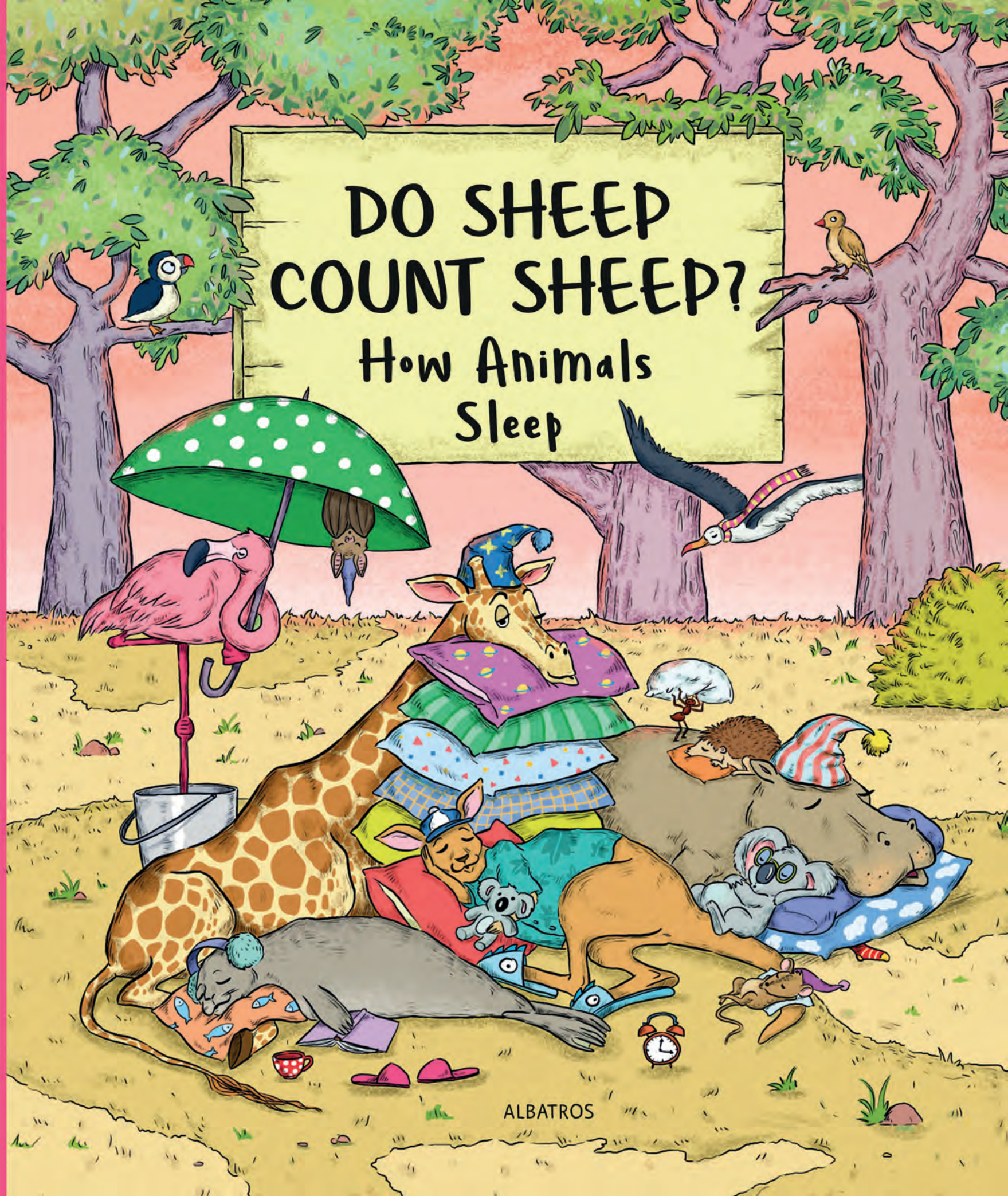
DO SHEEP COUNT SHEEP? How Animals Sleep

PETRA BARTÍKOVÁ & KATARÍNA MACUROVÁ



DO SHEEP COUNT SHEEP?

How Animals Sleep



ALBATROS

How ANIMALS sleep

STANDING UP

ON ONE LEG, UPSIDE DOWN, IN WATER,
IN A BALL, UNDER LEAVES, OR LIKE US – ON
THEIR SIDE WITH PAWS UNDER THEIR HEADS.

PILLOWS?

SOME ANIMAL NESTS
LOOK LIKE HUMAN BEDS.

THEY MAKE PILLOWS
FROM FALLEN LEAVES.

WHAT DO THEY DREAM ABOUT?

NOBODY KNOWS YET.
PERHAPS ABOUT WHERE
TO FIND SOMETHING TO EAT.

Hey! You're
sleeping all
wrong.

GIRAFFES HAVE
THE MOST COMPLEX
POSITION FOR
SLEEPING.

Hey, that's
my pillow!

No, I shall not
clean your
teeth!

FASCINATING!

MAINLY BIRDS AND MAMMALS HAVE
DREAMS, BUT TINY CREATURES LIKE ANTS
CAN ALSO DREAM.

How BATS sleep

BATS LIVE IN ATTICS AND IN CAVES.

AT NIGHT
THEY FLY
AROUND.

THEY SLEEP HANGING
UPSIDE DOWN

DURING THE
DAYTIME.

THEY SLEEP AND SLEEP
19 HOURS A DAY

SOME BAT SPECIES REST IN TREE
HOLES AND FALL ASLEEP
LYING ON THEIR FRONTS.

THEIR
WINGS
WRAP
AROUND
LIKE
A CLOAK.

THEY EAT
MOSQUITOES AND MOTHS.

SLEEPING BAG?
NONSENSE!

Wow, you're like
a superbat!

Take off those
headphones or
you'll crash!

**RADAR
INSTEAD
OF EYESIGHT**

BATS SEND OUT SOUND SIGNALS THAT
BOUNCE OFF OBJECTS AND RETURN
AS ECHOES. THAT'S HOW THEY AVOID
HITTING THINGS.

THEY HAVE POOR EYESIGHT
AND SEE IN BLACK AND WHITE.

THAT'S WHY THEY "SEE" USING
THEIR EARS WHEN FLYING.

CAVE No. 8

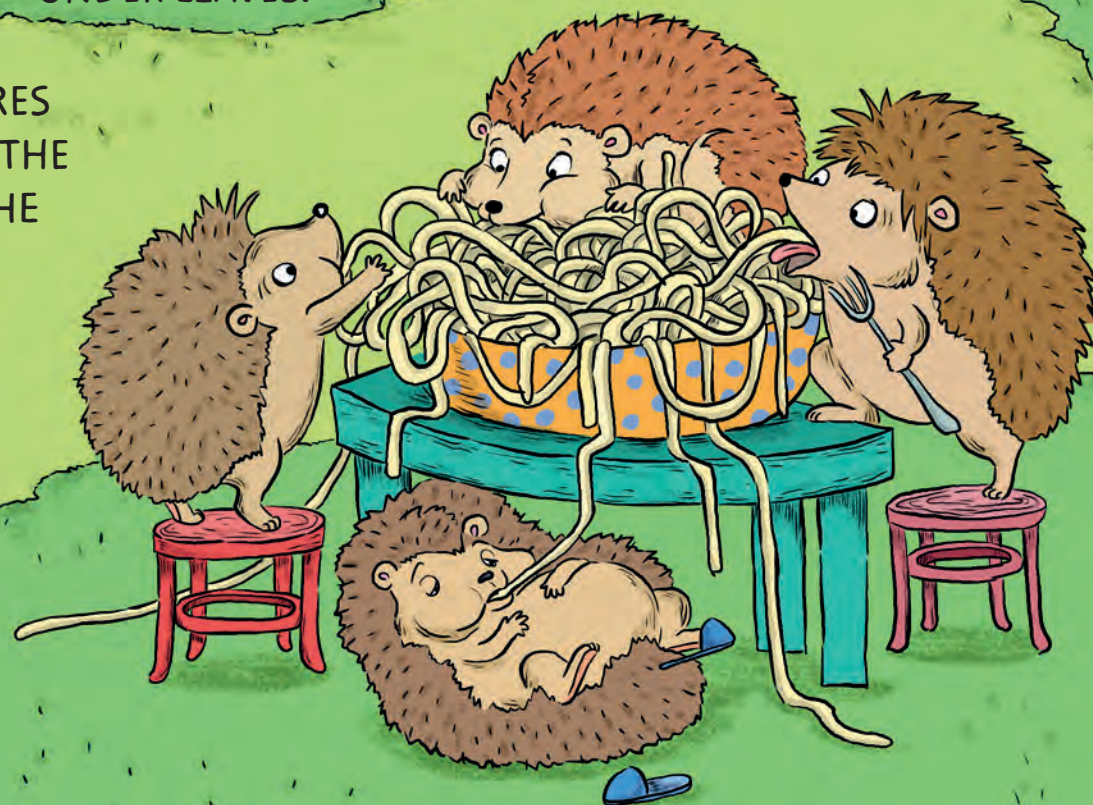
How HEDGEHOGS sleep



THEY SLEEP CURLED UP IN A BALL UNDER LEAVES.

THESE CUTE CREATURES LIVE ON THE EDGE OF THE WOODS ALL OVER THE WORLD.

THEY EAT EARTHWORMS, BUGS, AND CENTIPEDES.



THEY'RE OUT AND ABOUT AT NIGHT. DURING THE DAY THEY REST IN THEIR NESTS.



Thanks for helping me carry this apple. Too bad we don't eat apples.



THEY CAN CLIMB AND SWIM VERY WELL AND THEY RUN FAST.

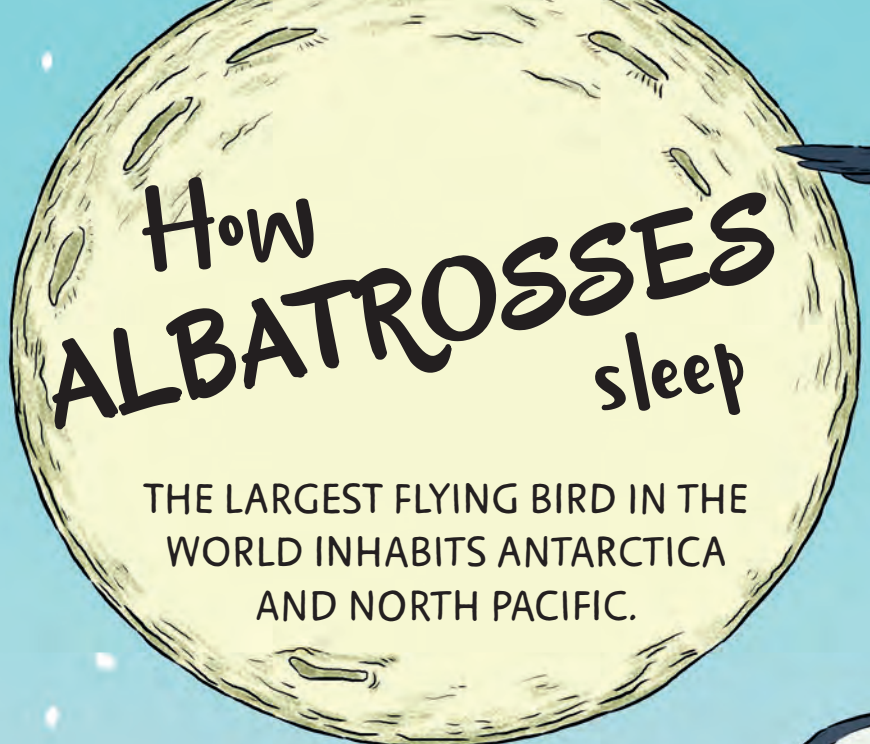


WHAT IF AN ENEMY APPROACHES? HEDGEHOGS SIMPLY CURL UP INTO SPIKED ROUND BALLS, READY TO HARM ANYONE WHO BOTHERS THEM.



HEDGEHOGS HAVE THOUSANDS OF **sharp spines** ON THEIR BODIES






How ALBATROSSES sleep

THE LARGEST FLYING BIRD IN THE WORLD INHABITS ANTARCTICA AND NORTH PACIFIC.

THEIR OUTSTRETCHED WINGS ARE 10 FEET LONG!

THEY EVEN SLEEP IN FLIGHT, TAKING ONLY SHORT NAPS. ONE HALF OF THEIR BRAINS REMAIN AWAKE.

ALBATROSSES  GLIDE FOR HOURS ABOVE COLD SEAS. THEY RARELY COME TO LAND, DOING SO ONLY TO MAKE THEIR NESTS.

Am I dreaming or awake?

THEY SPEND ALL OF THEIR LIFE IN THE AIR ABOVE THE SEA

WHEN TAKING OFF, THEY FLAP THEIR STRONG WINGS AND THEN THEY JUST GLIDE, EVEN AGAINST THE WIND.

YUCK!
THEY DRINK OCEAN WATER!

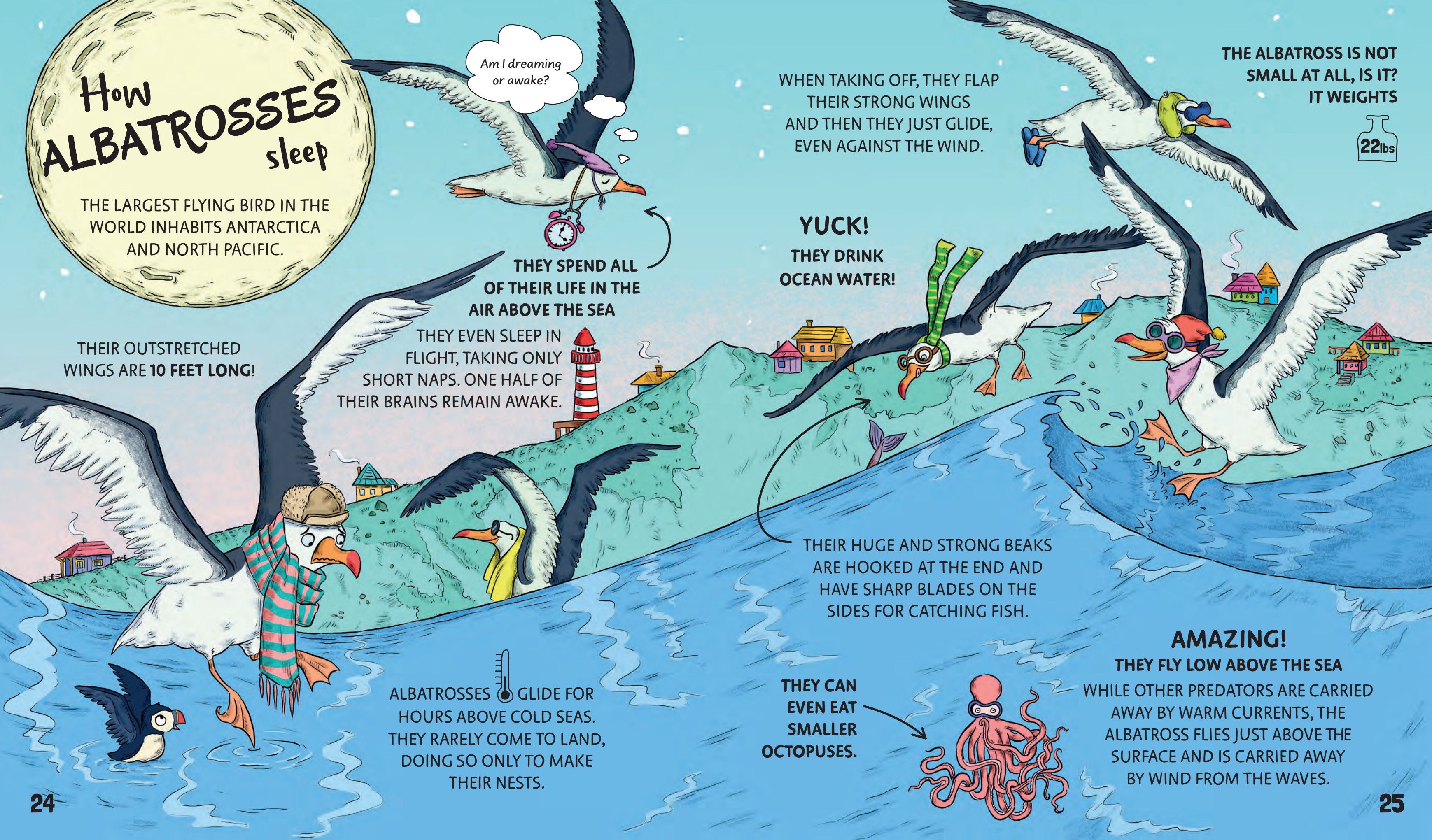
THEIR HUGE AND STRONG BEAKS ARE HOOKED AT THE END AND HAVE SHARP BLADES ON THE SIDES FOR CATCHING FISH.

THEY CAN EVEN EAT SMALLER OCTOPUSES.

THE ALBATROSS IS NOT SMALL AT ALL, IS IT? IT WEIGHTS

 22lbs

AMAZING!
THEY FLY LOW ABOVE THE SEA WHILE OTHER PREDATORS ARE CARRIED AWAY BY WARM CURRENTS, THE ALBATROSS FLIES JUST ABOVE THE SURFACE AND IS CARRIED AWAY BY WIND FROM THE WAVES.





DO SHEEP COUNT SHEEP?

How Animals Sleep

3+

COME
LEARN ABOUT
11
ANIMALS!

WRITTEN BY PETRA BARTÍKOVÁ
ILLUSTRATED BY KATARÍNA MACUROVÁ

Whether down in a burrow, up in a tree, hanging upside down, deep underwater, or in flight with one eye open, animals all need sleep to gather strength for the new day. But the way they sleep is very different from how we humans sleep, as is the length of time they sleep for. While we spend just eight hours a day snuggled up in bed, some animals sleep for 20 hours at a stretch. Imagine that! The koala, for instance, basically sleeps its life away as it lounges about in the branches, while albatrosses hardly sleep at all. Come join us, then, as we learn everything you've ever wanted to know about how animals sleep.



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