Perfect for Grades 2–5!

Activity Kit with Printables

Use *The Nocturnals* Fiction and Nonfiction to Integrate Reading, Science and Fun!

Turnkey ELA Activities

- Host a Read Aloud in Your Classroom with Discussion Questions
- Easy-to-Use Graphic Organizers: Character Map, Story Map and Venn Diagram
- Creative Worksheets: Fill in the Story, Vocabulary Word Search and Create Your Own Adventure

STEM Activities

- Discover the Science Behind Different Animal Tongue Lengths
- Draw Your Own Images of *The Nocturnals* Animals to Create Trading Cards
- Create Paper Masks for The Nocturnals
- Play the Endangered Animal Matching Game

Middle Grade Books



All books leveled for Lexile and Fountas & Pinnell
AR Quiz Available for *The Mysterious Abductions* (ATOS 4.2)
and *The Ominous Eye* (ATOS 4.4)

Grow & Read Early Readers



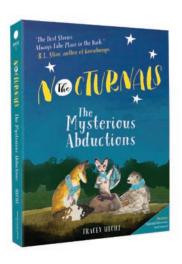
All books leveled for Lexile and Fountas & Pinnell Read All 8 of *The Nocturnals* Grow & Read Books!

*New Nonfiction Companion



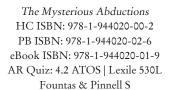


THE MYSTERIOUS ABDUCTIONS BOOK CLUB QUESTIONS



- 1. Dawn, Bismark, and Tobin make up a team, the Nocturnal Brigade. How did the Brigade meet? What qualities do each of those three characters possess that help make them work so well together? Do they have qualities that might hurt the team?
- 2. The book takes place at night and all of the characters are nocturnal. Can you think of reasons it might be good for animals to be awake at night? Can you think of characteristics in Dawn, the fox, Bismark, the sugar glider and Tobin, the pangolin that are important to their nighttime survival?
- 3. If you were to pick one character from *The Mysterious Abductions* who is the most like you, who would it be and why? Who is the most unlike you and why? Which character from the book would you most want as your friend and why?
- 4. What are your favorite locations in the book and why? If you could visit the world of The Nocturnal Brigade, which things from the book would you most want to see? Where do you think these animals might live in the real world?
- 5. Bismark is an outspoken character. He boasts about his own superior qualities and his affections for Dawn. Do you think Bismark is actually a confident character? If so, why? If no, why not?

- 6. Dawn is the leader of the Brigade. What does she do to bring the animals together as a team? What does she do when she meets Ciro, the coyote? How does she talk to Boris, the crocodile when she meets him? Do the animals respect her?
- 7. When Tobin first meets Cora, the wombat, Cora is afraid to speak. How does Tobin try to coax her out of her shyness? What things could you reveal about yourself that might make someone in your life feel less shy around you?
- 8. Why don't Dawn and Bismark trust Jerry, the jerboa? What does he do to the Brigade that makes them worry about his character? Does he redeem himself in the book?
- 9. Bismark speaks many languages, as do the bats. What languages are in the book? Are you able to give examples of phrases in any of these languages? Can you come up with some new phrases that Bismark might say? Can you come up with some that the bats might say?
- 10. Explain the rules of NOC HOC. Which animals are used as equipment in the game? Discuss the actions of the offense and defense.
- 11. What happens to Boris in the final scenes of *The Mysterious Abductions*? What are the other characters' responses to his actions? How would you have handled Boris?
- 12. What things in the book would you have done like the Brigade? What things would you have done differently?
- 13. Discuss the meaning of poaching and endangered species in the wild. Are any of the animals endangered species? Why is poaching wrong? How do both affect the environment?







No CTURNAUS Guiding Questions Extension Activity

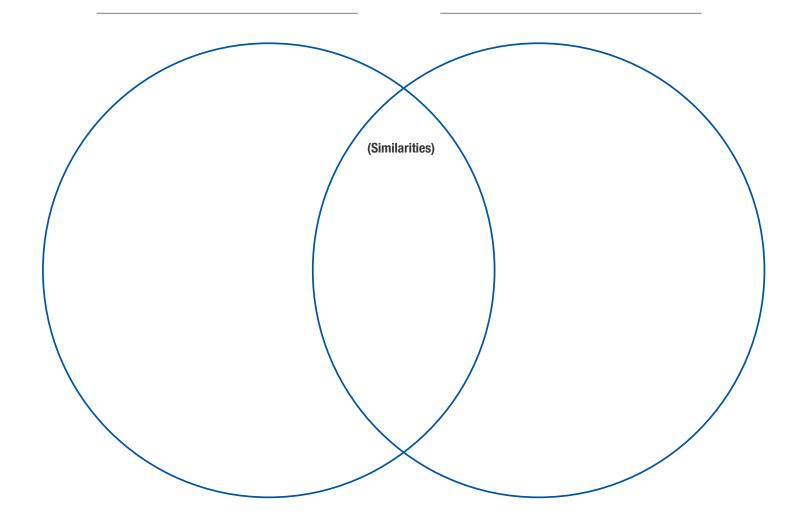
Compare and Contrast Venn Diagram

Pick two *Nocturnals* books. Compare and contrast the stories using the Venn diagram below. *How are the stories similar? Different?* What is the theme or central message in each book? What can the reader learn from the characters or events? Use examples from the books to support your answers.



Book Title

Book Title





N@(TURNAL) Problem and Solution Graphic Organizer

Identify a Problem in The Nocturnals

What is the problem? How does each character feel about the problem? How do the characters identify a solution? Use the graphic organizer below to use illustrations and writing to describe a problem and its solution from *The Nocturnals*. Use examples from the book to support your answers.



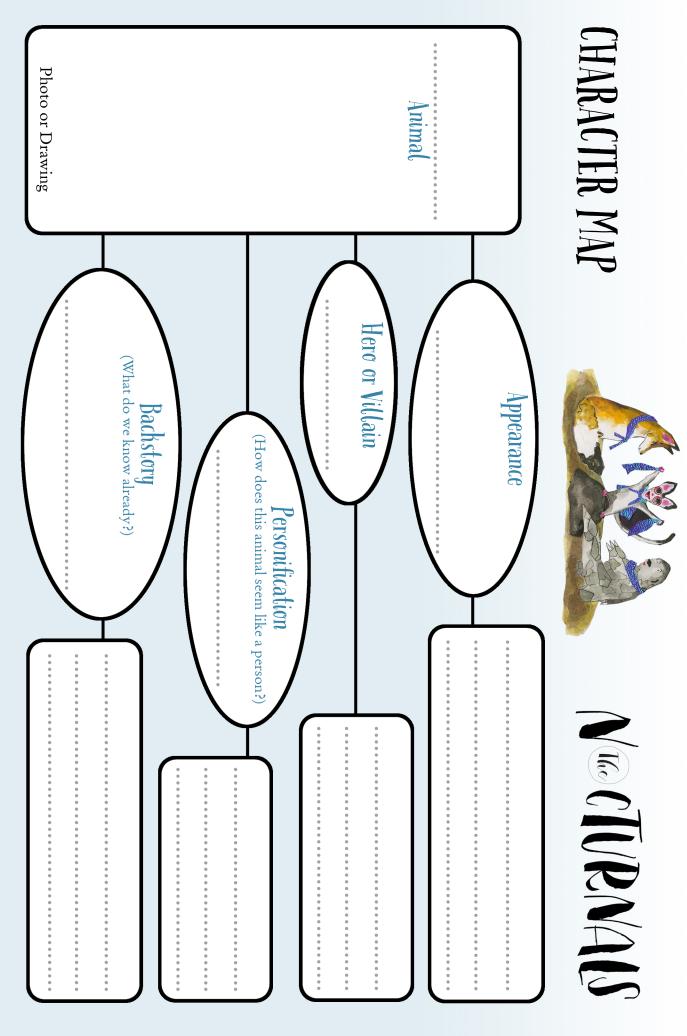
PROBLEM What went wrong?

SOLUTION How was the issue fixed?

(Create an Illustration) (Create an Illustration) (Describe a Problem) (Describe a Solution)



Write one character trait in each of the ovals. Write one supporting detail in each of the rectangles.



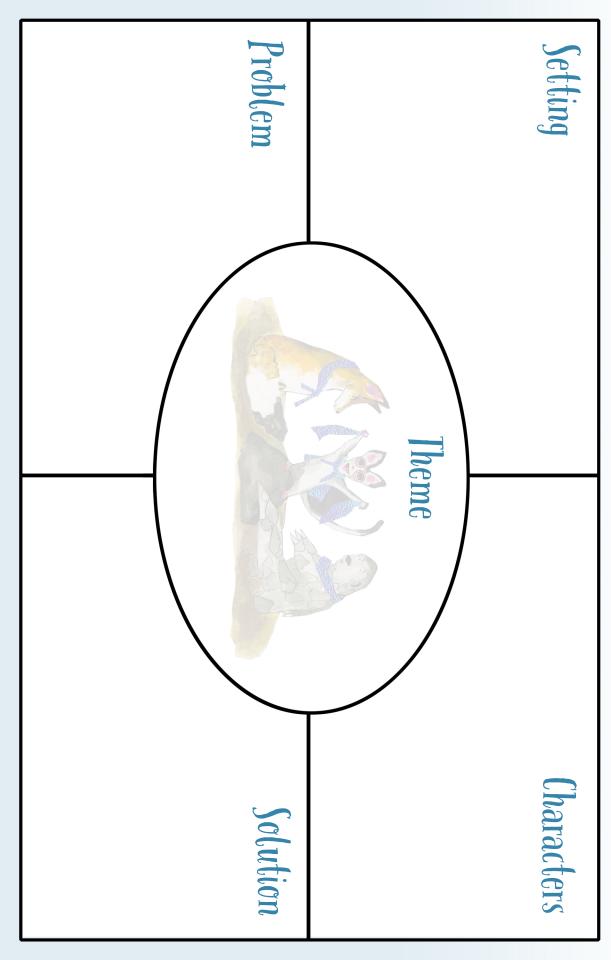
For more information: www.nocturnalsworld.com

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STORY MAP





MECTURNALS

Endangered Animals Matching Game!

Where in the world would you find these endangered animals? Draw a line and match the endangered animals to their geographic location. Then read on to discover how you can help save these unique creatures!



New Zealand



Southeast Asia



Northern Africa & Asia



Australia



Madagascar

Check the answer key to see how many animals you matched correctly.

Don't worry if you got less than a perfect score; now you can tell your friends about these unusual endangered animals. Interested in learning more?

READ THE FOLLOWING RESOURCES!

www.earthday.org/ • www.worldwildlife.org/initiatives • www.pangolins.org/ • www.nwf.org/

- ANSWER KEY - Pangolin - Southeast Asia; Aye-Aye - Madagascar; Woylie - Australia; Jerboa - Northern Africa and Asia; Tuatara - New Zealand

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MICTURNALS WORD SEARCH

S	С	G	S	S	В	0	Y	F	N	G	R	U	N	T	D
U	0	Н	Т	R	L	I	L	J	N	Н	N	E	0	Н	A
G	W	A	A	E	E	A	S	I	I	D	A	P	С	G	R
А	В	0	M	M	P	L	Y	M	E	В	S	A	Т	I	K
R	F	0	M	P	P	R	W	T	A	Т	A	С	U	L	N
G	P	Т	I	В	R	I	E	0	A	R	0	S	R	N	Ε
L	E	N	A	U	A	С	0	R	R	W	K	E	N	0	S
I	G	L	С	S	Т	Т	S	N	R	P	Z	L	A	0	S
D	Y	S	I	E	R	U	Т	N	E	V	D	A	L	M	В
E	Q	R	D	D	N	I	L	0	G	N	A	P	S	Y	R
R	U	N	E	F	0	Т	R	E	M	В	L	I	N	G	I
Z	E	D	I	T	0	С	S	Н	R	I	E	K	E	D	G
F	S	J	В	В	S	Χ	0	S	R	E	G	N	A	D	Α
P	Т	U	Q	Т	0	Y	Q	R	R	0	D	E	N	Т	D
I	R	A	G	U	S	Т	M	P	С	D	A	M	N	D	E

ADVENTURE
BATS
BISMARK
BRIGADE
CHAMPION
CROCODILE
DANGERS

DARKNESS
DAWN
ESCAPE
FLAPPING
FOX
MOONLIGHT
MYSTERY

NOCTURNALS
PANGOLIN
POMELO
PROWLERS
QUEST
RODENT
SCURRYING

SHRIEKED
STARS
SUGAR GLIDER
TOBIN
TREMBLING
UNDETECTED

WOMBAT

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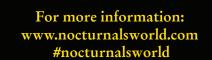
NOCTURNALS FILL IN THE STORY GAME

How to Become a Member of The Nocturnal Brigade

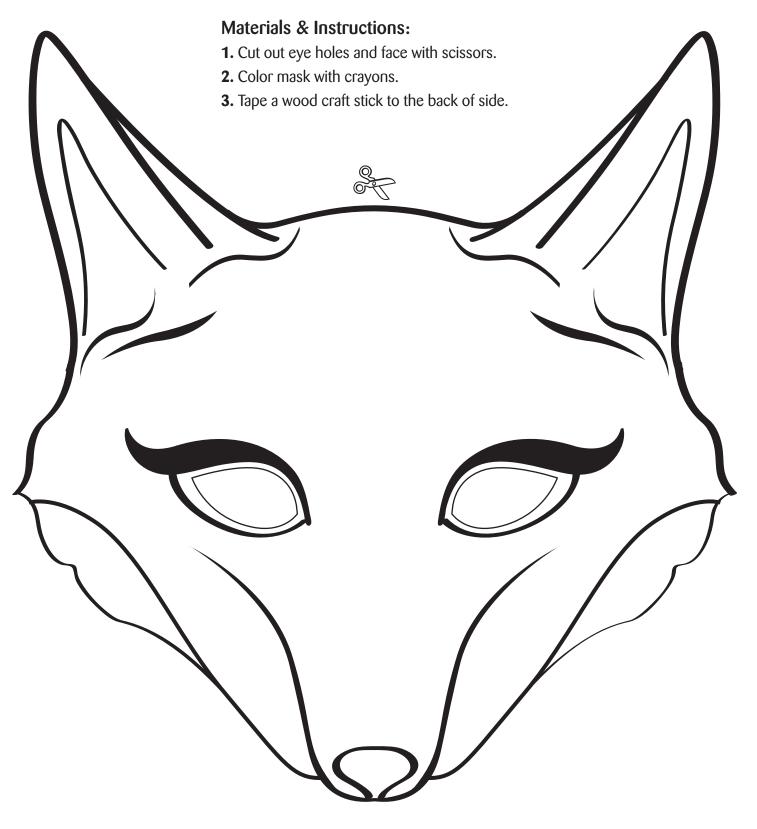
Do you want to join theNocturnal Brigade? Great! You will
be $\frac{1}{VERB ENDING IN ING}$ with Dawn the fox, Tobin the pangolin, Bismark
the sugar glider anda very braveANIMAL
The Nocturnals follow these guidelines in our daily adventures.
1. Members always meet at night in front of the big when the
moon is and the stars are
2. The groupa cape made fromsnakeskin
that Bismark — took from one of our plural noun who at-
tacked him in theforest.
3. We like to eatpomelos, a/anfruit that
looks like a and tastes like a
4. We help other animals when they are in trouble in the
forest that is filled with many
So, if you think you canby these guidelines
then you can be a member of the Nocturnal Brigade!

Directions: Take turns choosing a word for each part of the speech to help the Nocturnal Brigade fill in the story. If you're playing alone, fold along the dotted lines to hide the story.

Adjective:
Verb ending in ing:
Name of someone in the room:
Animal:
Adjective:
Noun:
Adjective:
Adjective:
Past tense verbs:
Adjective:
Adverb:
Plural noun:
Adjective:
Adjective:
Adjective:
Noun:
Noun:
Adjective:
Adjective:
Plural noun:
Verb:



Dawn the Fox Mask

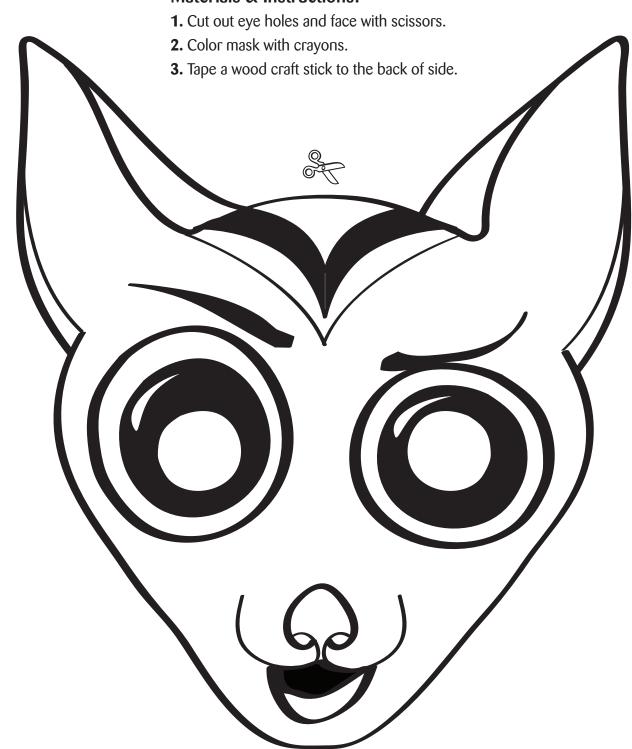


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Bismark the Sugar Glider Mask

Materials & Instructions:



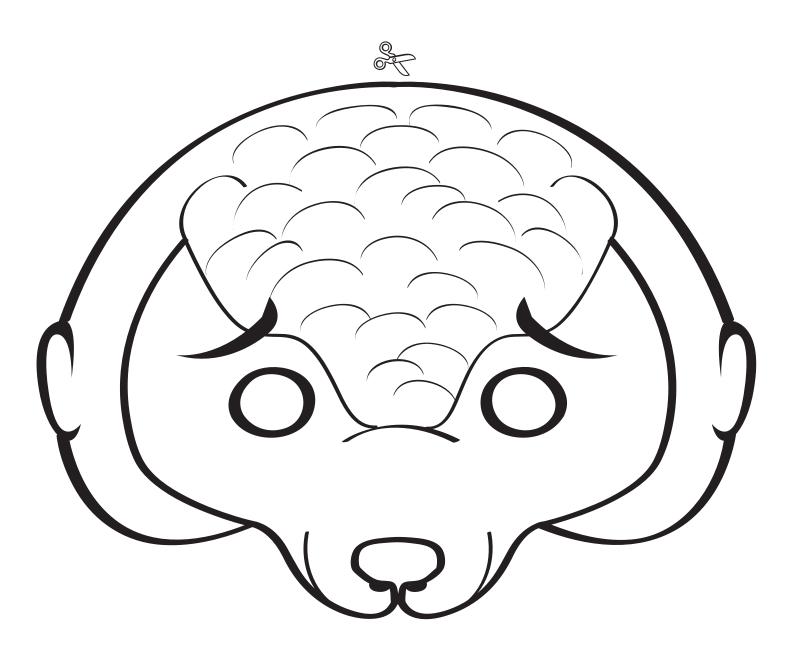
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Tobin the Pangolin Mask

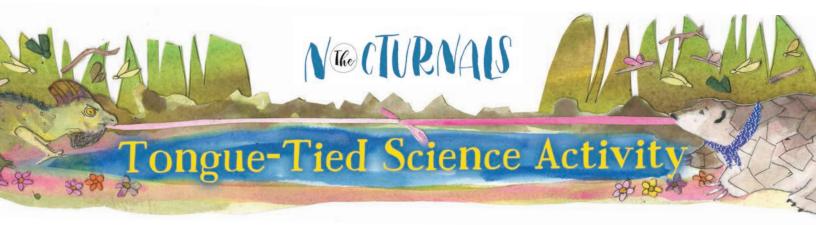
Materials & Instructions:

- 1. Cut out eye holes and face with scissors.
- 2. Color mask with crayons.
- **3.** Tape a wood craft stick to the back of side.



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#nocturnalsworld



How long is your tongue compared to other animals' tongues?

The Nocturnal Brigade has faced many unique animals along their adventures. In *The Nocturnals: The Hidden Kingdom*, Tobin the pangolin gets caught, literally, in a tongue twister with King Kami the chameleon. A pangolin's tongue is roughly equal to its body length, and a chameleon's tongue is usually about 1.5 times the length of its body!

In this Tongue-Tied Science Activity, you will:

- Learn how to use a measuring key
- Identify and measure different tongue lengths
- Draw your own animal tongues
- Discover how the length of a human tongue compares to other animals' tongues

Scientific Background

The tongue is a muscle in the mouth that helps us and other animals taste, chew, and swallow food. On average, a human's tongue is 10 centimeters long. While humans have the unique ability to use our tongues for speech, other creatures have also found their own special uses for their tongues.

PANGOLINS, unlike humans, are unable to chew because they do not have teeth, so they need to catch small insects that they can swallow whole. They are able to do this by using their long, sticky tongues to trap and eat insects.

When not in use, a pangolin's tongue is rolled up deep in its chest cavity to its last pair of ribs. When extended, the pangolin's tongue is about 40 centimeters long, or the length of its entire body!

A CHAMELEON'S tongue is also unique and has adapted to rapidly catch prey that strays within striking distance. This remarkably long tongue can measure 1.5 times the chameleon's own body length (almost 68 centimeters for the 45-centimeter Veiled Chameleon species) and extends faster than the human eye can follow, hitting prey in about 30 thousandths of a second!



References:

- https://news.nationalgeographic.com/2016/01/160105-chameleons-tongue-speed-animals-science/?user.testname=lazyloading:1
- https://phys.org/news/2016-06-tongue-chameleon-sticky-secret-revealed.html





No Mold Tongue-Tied Science Activity

Instructions

- 1. Using the box on the right, review the tongue lengths and the measuring key.
- 2. Start with the human. From the mouth, measure and label the average human tongue length.
- 3. Draw the average human tongue with the correct length, using a pink crayon or marker. For fun, use a funky color instead!
- 4. Repeat Steps 2 and 3 for Tobin the pangolin and King Kami the chameleon.
- 5. Compare your results!

Tongue Lengths

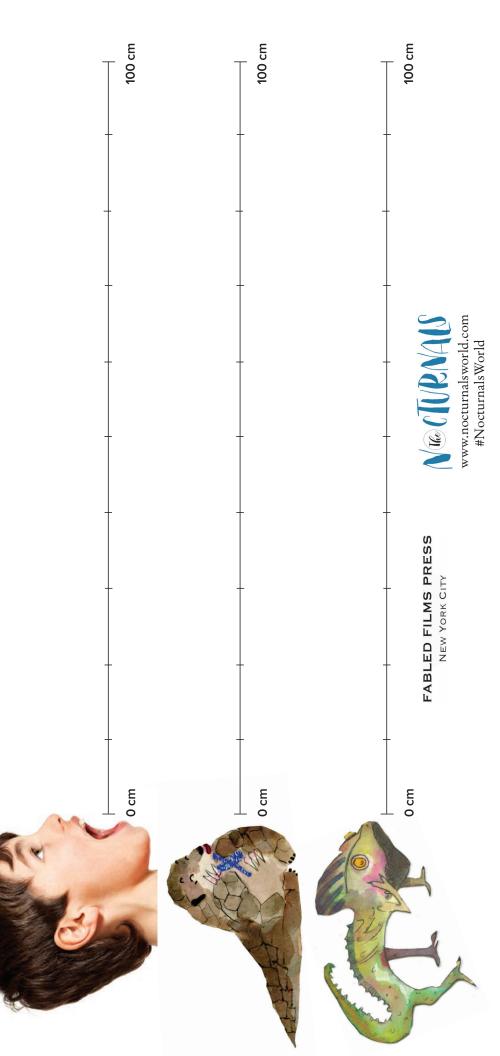
Average Human: 10 cm

Pangolin: 40 cm

Chameleon: 70 cm

(not to scale)

Measuring Key



SUGAR GLIDER

PANGRIT

Manis javanica

Petaurus breviceps

Sugar glider

Malayan pangolin

WOMBA

Lasiorhinus krefftii

Vulpes vulpes

Red fox

Northern hairy-nosed wombat





PANGGIIN

Pangolins are covered from just above their nostrils to the tips of their tails by rows of hard, overlapping, movable sharptipped scales. They are between 79 and 88 cm, including their tails which are prenhensile (or capable of grasping.) These very rare animals are mainly solitary and very timid. Pangolins move quickly when threatened and are strong diggers and climbers.

For more information visit www.nocturnalsworld.com

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Red foxes are not always red; their coats range in color from a pale yellowish to a deep brown with white or ashy undersides. Red foxes are 45-90cm long with tails 30-55cm long. Their graceful frames can run up to 48km/h and jump up to 2m high. Foxes often live in dens that have been abandoned by other animals

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SUGER GLIDER

Sugar gliders are very small creatures with their head and body measuring 12-33cm and their tail somewhere between 15-48mm. They have a gliding membrane from the outer side of their forefoot to their ankle of the rear foot, enabling them to glide up to 45 meters. One of a sugar glider's most distinguishable traits is the stripe down their back to the end of their nose and on the sides of their faces.

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WOMBAT

Wombats have thick stocky bodies about 1 m long. These large headed creatures have small eyes, pointed ears, and long whiskers. Wombat's eat grass with their continuously growing molars. Their bad eyesight and good sense of hearing and smell leads this animal to burry tunnel systems in deep sands.

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