



Animalogy

Animal Analogies



by Marianne Berkes
illustrated by Cathy Morrison

Animalogy

Animal Analogies



Compare and contrast different animals through predictable, rhyming analogies. Find the similarities between even the most incompatible animals . . . bat is to flit as eagle is to soar; dog is to bark as lion is to roar. Comparisons include sounds, physical adaptations, behaviors, and animal classes and are so fun, readers learn without even realizing it! **Animalogy** is to fun, as animals are to nature.

It's so much more than a picture book . . . this book is specifically designed to be both a fun-to-read story and a launch pad for discussions and learning. Whether read at home or in a classroom, we encourage adults to do the activities with the young children in their lives. Free online resources and support at www.ArbordalePublishing.com include:

- For Creative Minds Activities as seen in the book (in English & Spanish):
 - Analogies:
 - body parts (adaptations)
 - size
 - sounds
 - actions
 - skin coverings
 - Animal Classification
- Teaching Activities:
 - Reading Questions
 - Language Arts
 - Science
 - Math
 - Geography
 - Coloring Pages
- Interactive Quizzes: Reading Comprehension, For Creative Minds, and Math Word Problems
- English and Spanish Audiobooks
- Related Websites
- Aligned to State Standards (searchable database)
- Accelerated Reader and Reading Counts! Quizzes
- Lexile and Fountas & Pinnell Reading Levels

eBooks with Auto-Flip, Auto-Read, and selectable English and Spanish text and audio available for purchase online.

Thanks to Loran Wlodarski, Science Writer at SeaWorld Orlando, for verifying the accuracy of the information in this book.

Award-winning author, **Marianne Berkes** (pronounced Ber-kess with two syllables) is a retired teacher and librarian who turned her love of nature and teaching into writing. Remembering her days in the classroom and the need for analogies, Marianne introduces animal analogies through **Animalogy**. Some of her recent and award-winning titles include: *Daisylocks*, *Anybody Home? Going Home*, *The Mystery of Animal Migration*; *Over in the Ocean, in a Coral Reef*; *Over in the Jungle, a Rainforest Rhyme*; and *Going Around the Sun, Some Planetary Fun*. Marianne lives in Florida with her husband, Roger, and their dog, Corky.

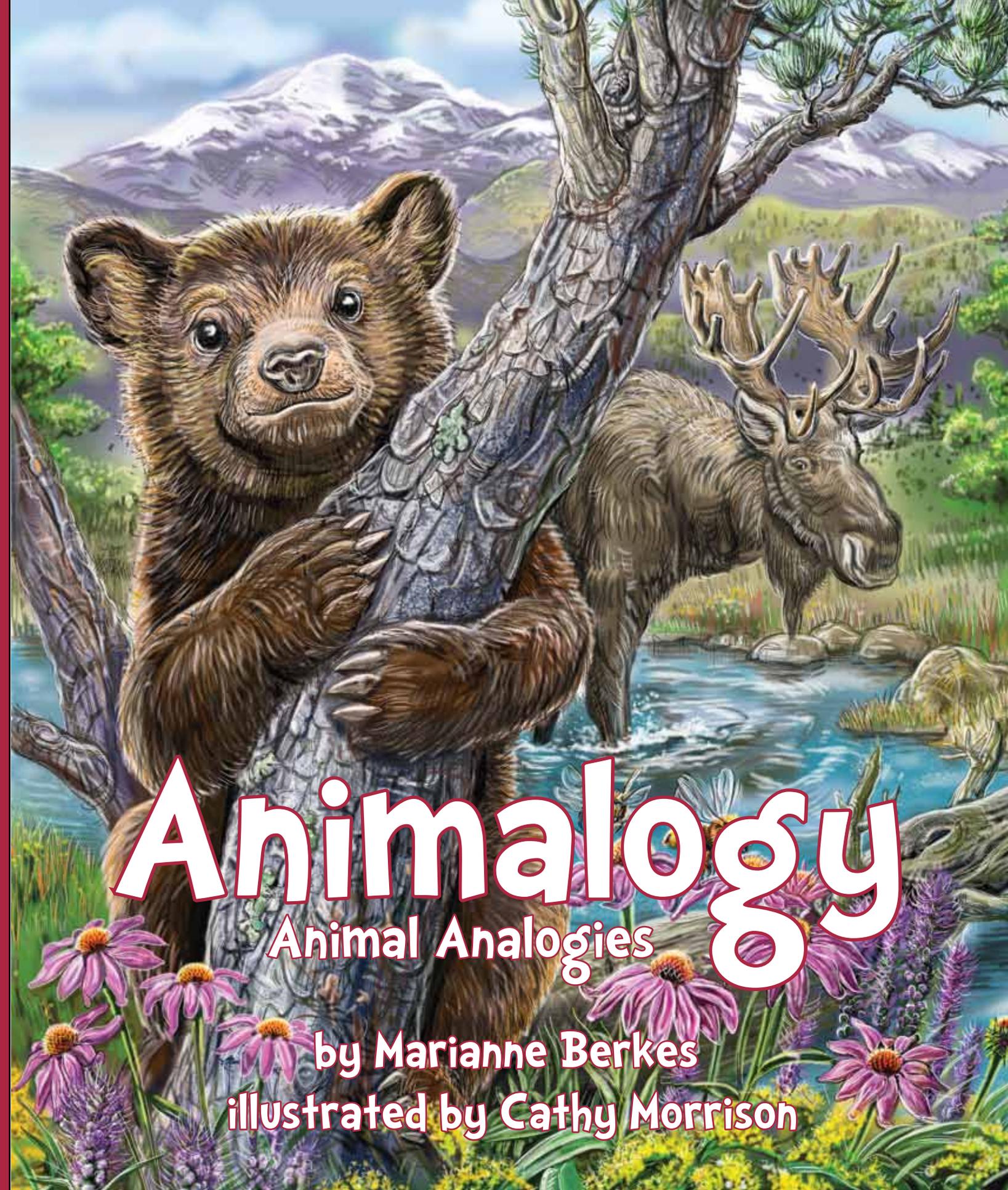
Cathy Morrison may have started her art career in animation but she soon fell in love illustrating children's books and has been doing so for 20 years. Some of the other titles she's illustrated include *Daisylocks*, *Dino Tracks*, and *Three Little Beavers*. Cathy works from a studio loft on the northern side of the Rocky Mountain National Forest.



Marianne Berkes



Cathy Morrison



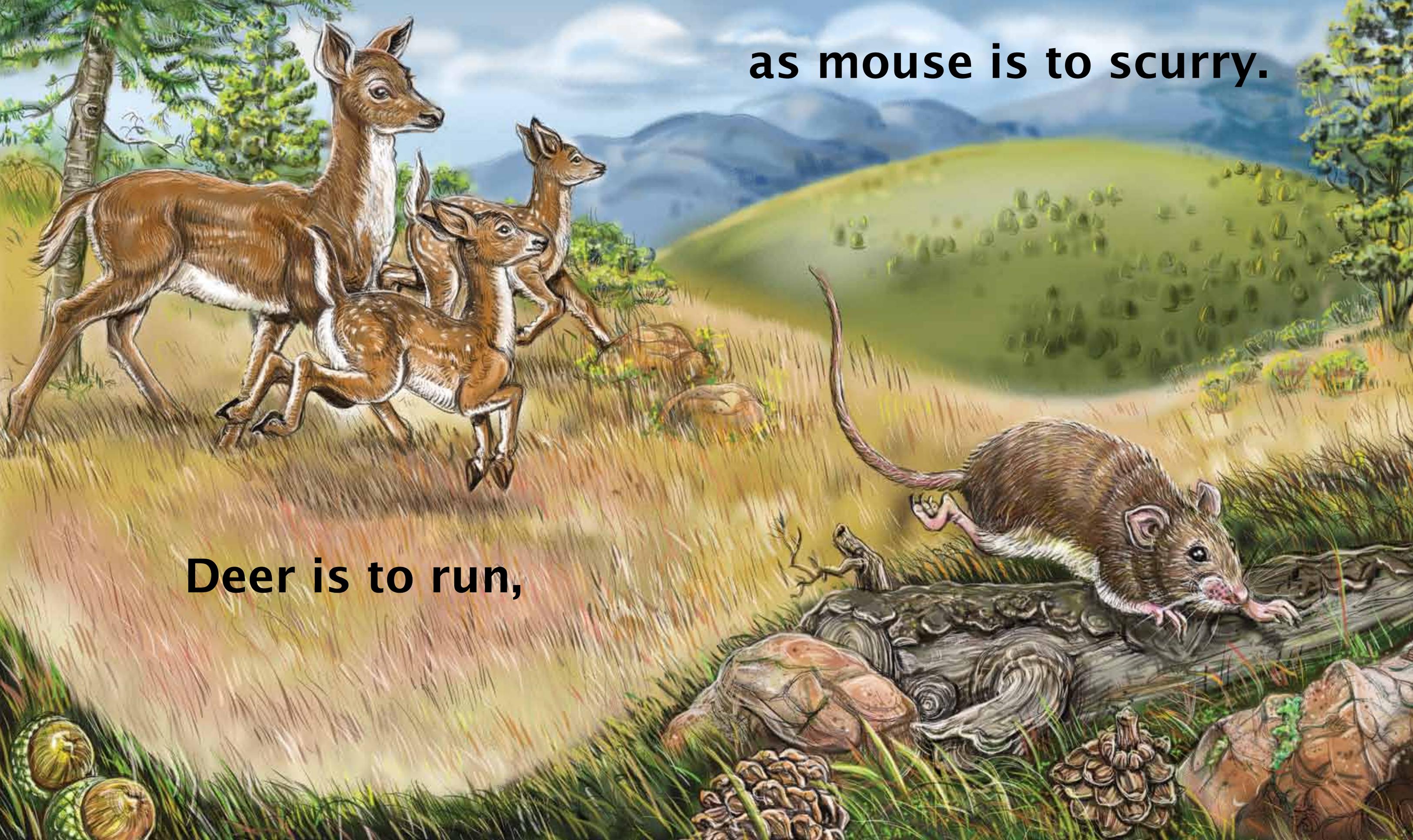
Animalogy

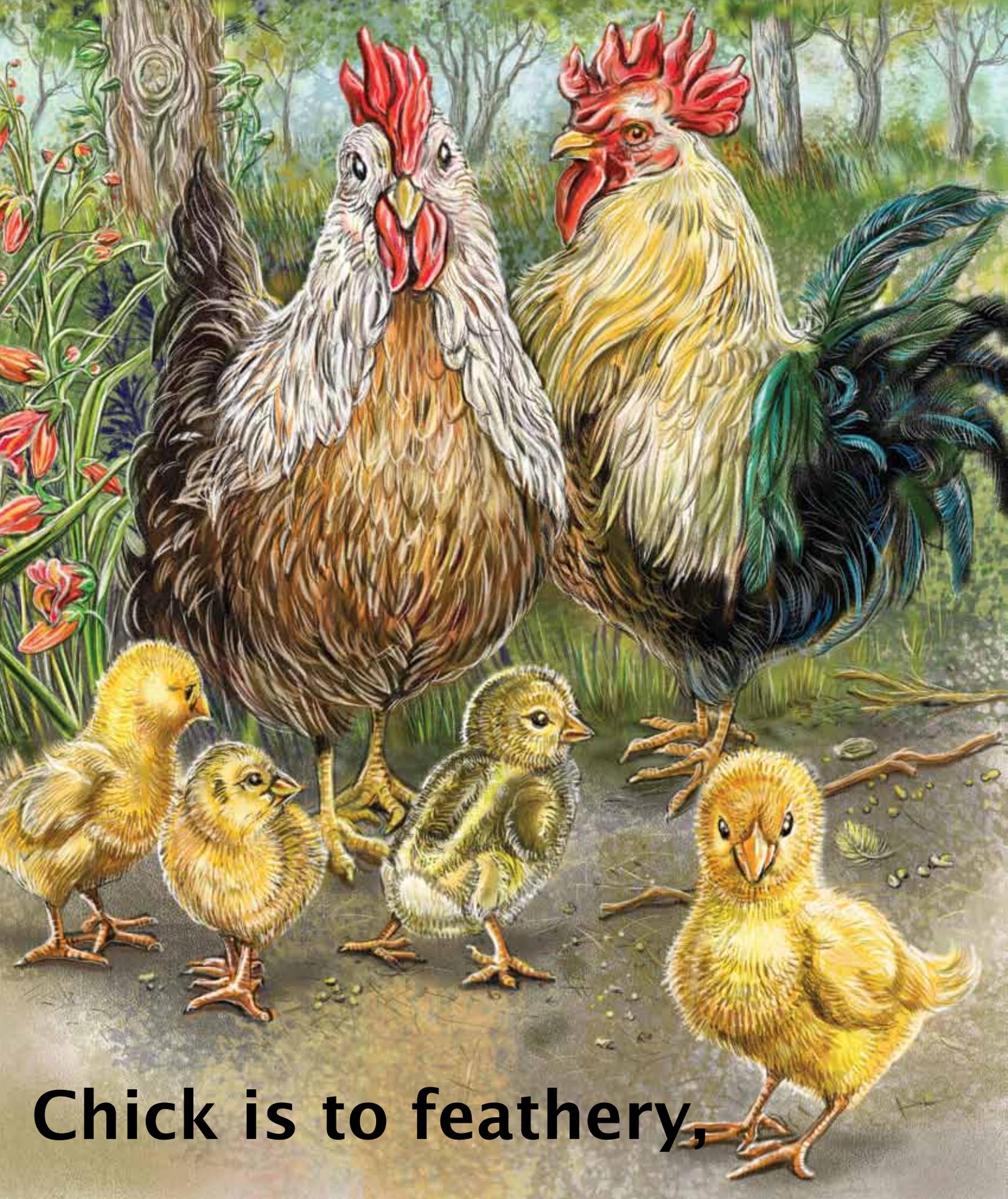
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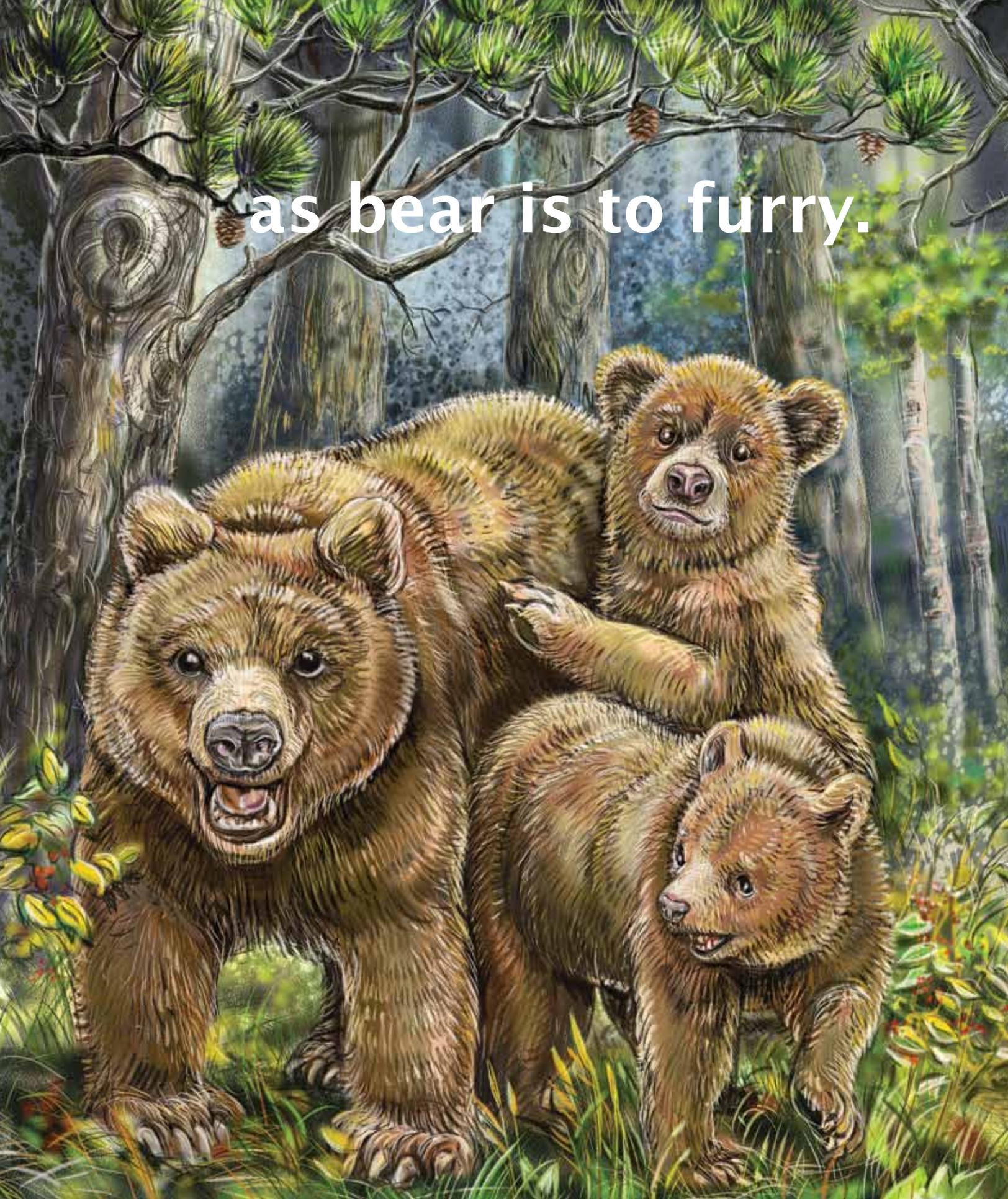
as mouse is to scurry.

Deer is to run,





Chick is to feathery,



as bear is to furry.



as skunk is to dig.

Rabbit is to nibble,

For Creative Minds

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Analogies

Analogies compare or contrast different things to show how they are related to each other. Which of these analogies uses body parts to compare or contrast the animals?

robin: wing :: goldfish: fin

bat: flit :: eagle: soar



Can you come up with other analogies using animal body parts?
How do the animals use those body parts?



chick's beak



lion's teeth



frog's foot



dog's paws



skunk's tail



mouse's tail



rabbit's ear



bear's ear

Which of these analogies uses size to compare or contrast the two animals?
deer : run :: mouse : scurry
ant : tiny :: hippo : big



What are some ways we measure things?
What are some other words that describe animal sizes?
Can you come up with other analogies to compare and contrast animal sizes?

tall

long

wide

little

light

heavy

small

short

huge

tiny

giant

0 Inch 1 2 3 4 5 6 7

5 6 7 8 9 10 11 12 13 14 15 16 17 18

Adjectives describe things—like how big or little an animal is.
Which adjectives are alike and which are opposites?

Which of these analogies uses action words (verbs) to compare what the animals are doing?

dog : bark :: lion : roar

reptile: snake :: insect: bee



Which of these analogies uses skin coverings to compare or contrast the two animals?

beaver: build :: spider: spin

chick: feathery :: bear: furry



What sounds do other animals make?

Can you come up with other analogies using animal sounds?

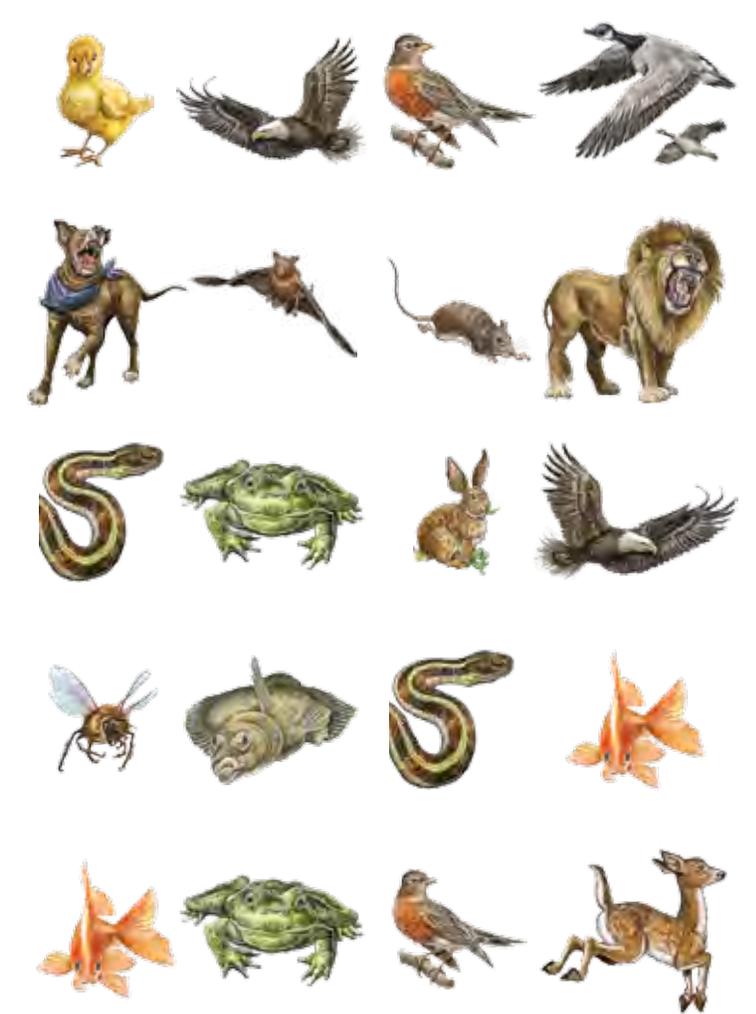


Which word (or words) do you think best describes the animal's action?

	Snakes slither, crawl, glide, slide, or wriggle.		Deer run, jump, bound, dash, spring, sprint, or scamper.
	Eagles soar, glide, or fly.		Goldfish swim, float, or lap.
	Mice scurry, scamper, or dash.		Bats flit, fly, glide, flutter, or soar.
	Frogs hop, jump, leap, or vault.		Beavers cut, build, swim, or munch.
	Robins fly, nest, sing, or tweet.		Lions, roar, hunt, prey, or chase.



- 1 Which animals have feathers?
- 2 Which animals have hair or fur?
- 3 Which animal has dry scales?
- 4 Which animals have wet (slimy) scales?
- 5 Which animal has smooth, moist skin?



Answers: 1. All: chick, eagle, robin, geese ; 2. All: dog, lion, mouse, & bat; 3. snake; 4. flounder & goldfish; 5. frog

Animal Classification

Vertebrates are animals that have backbones.

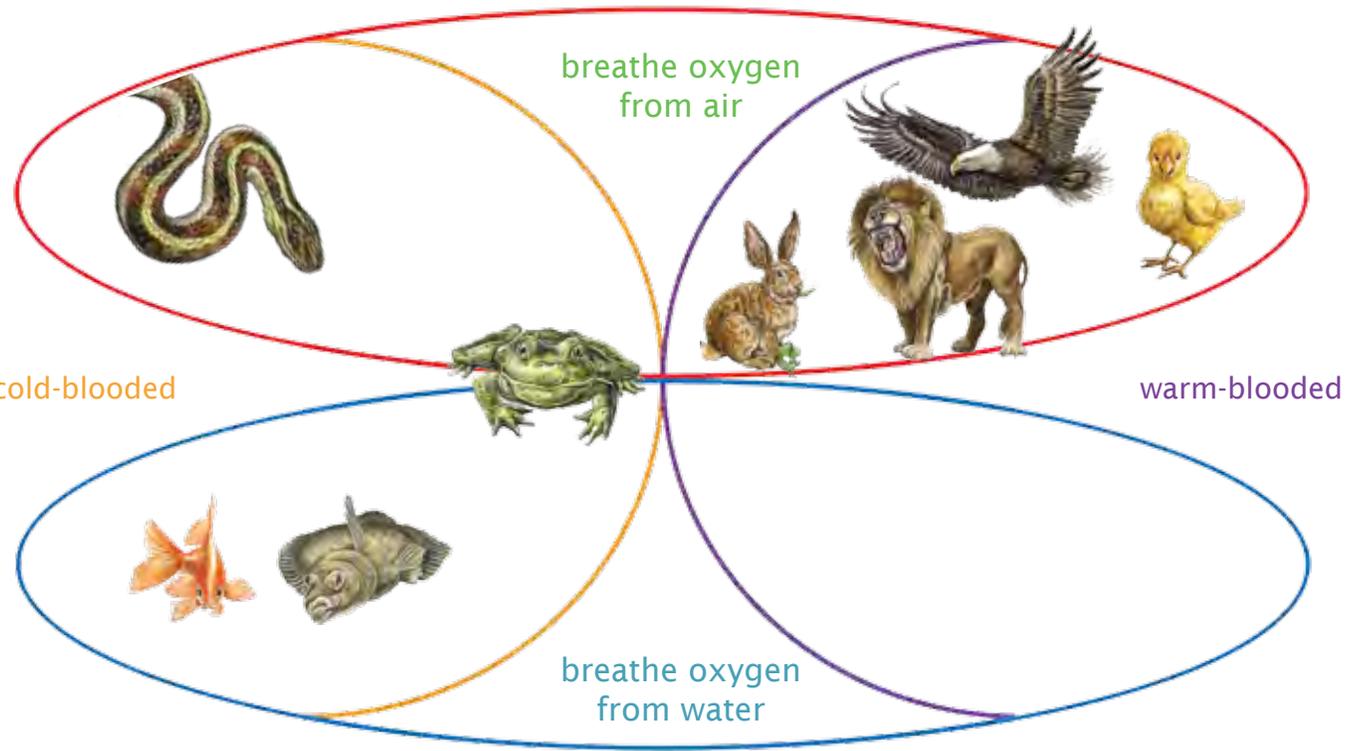
Reptiles:
dry scales or plates
lungs to breathe
most hatch from eggs
cold-blooded

Birds:
feathers
lungs to breathe
hatch from eggs
warm-blooded

Mammals:
hair or fur
lungs to breathe
most have live birth
warm-blooded

Amphibians:
soft, moist skin
most young have an aquatic larva/tadpole stage with gills; adults live on land using lungs to breathe
cold-blooded

Fishes:
most have slime-covered scales
gills to breathe
can have live birth or hatch from eggs
cold-blooded



Cold-blooded animals' body temperatures come from their surroundings.

Warm-blooded animals make their own heat and have constant body temperatures.

Invertebrates do not have backbones.



Insects:
hard outer covering (exoskeleton)
adults have 3 body parts: head, thorax & abdomen
3 pairs of legs
usually 2 pairs of wings and 1 pair of antennae
can have live birth or hatch from eggs
cold-blooded



Arachnids (Spiders):
hard outer covering (exoskeleton)
body usually divided into two parts: cephalothorax and abdomen
4 pairs of legs
no antennae or wings
can have live birth or hatch from eggs
cold-blooded



Animal	Class
frog	amphibian
spider	arachnid
ant	insect
bee	insect
chick	bird
eagle	bird
goose	bird
robin	bird
flounder	fish
goldfish	fish
snake	reptile

Animal	Class
bat	mammal
bear	mammal
beaver	mammal
deer	mammal
dog	mammal
hippo	mammal
lion	mammal
moose	mammal
mouse	mammal
rabbit	mammal
skunk	mammal

1. How many animals in this book are mammals?

2. How many animals in the book are reptiles?

3. How many are fish?

4. Are there any amphibians?

5. Which animals are birds and how many are there?

6. Which animals fly?

7. Are birds the only animals that can fly?

8. What do reptiles, birds, mammals, amphibians and fish all have in common?

9. What do the spider, ant, and bee have in common?

10. Which animals have four legs?

Answers: 1. 11; 2. 1; 3. 2; 4. yes, the frog; 5. chick, eagle, goose, and robin (4 different types); 6. All of the birds fly, plus the bat and bees; 7. No, bats and several insects fly too; 8. They are all vertebrates (have backbones); 9. They are invertebrates, they do not have backbones; 10. frog, bear, beaver, deer, dog, hippo, lion, moose, mouse, rabbit, and skunk

For my granddaughter, Emily Anne, "And I am to your mother, as she is to you." love, Your Oma—MB
To my husband, Andy Brown, who taught our children to love nature—CM
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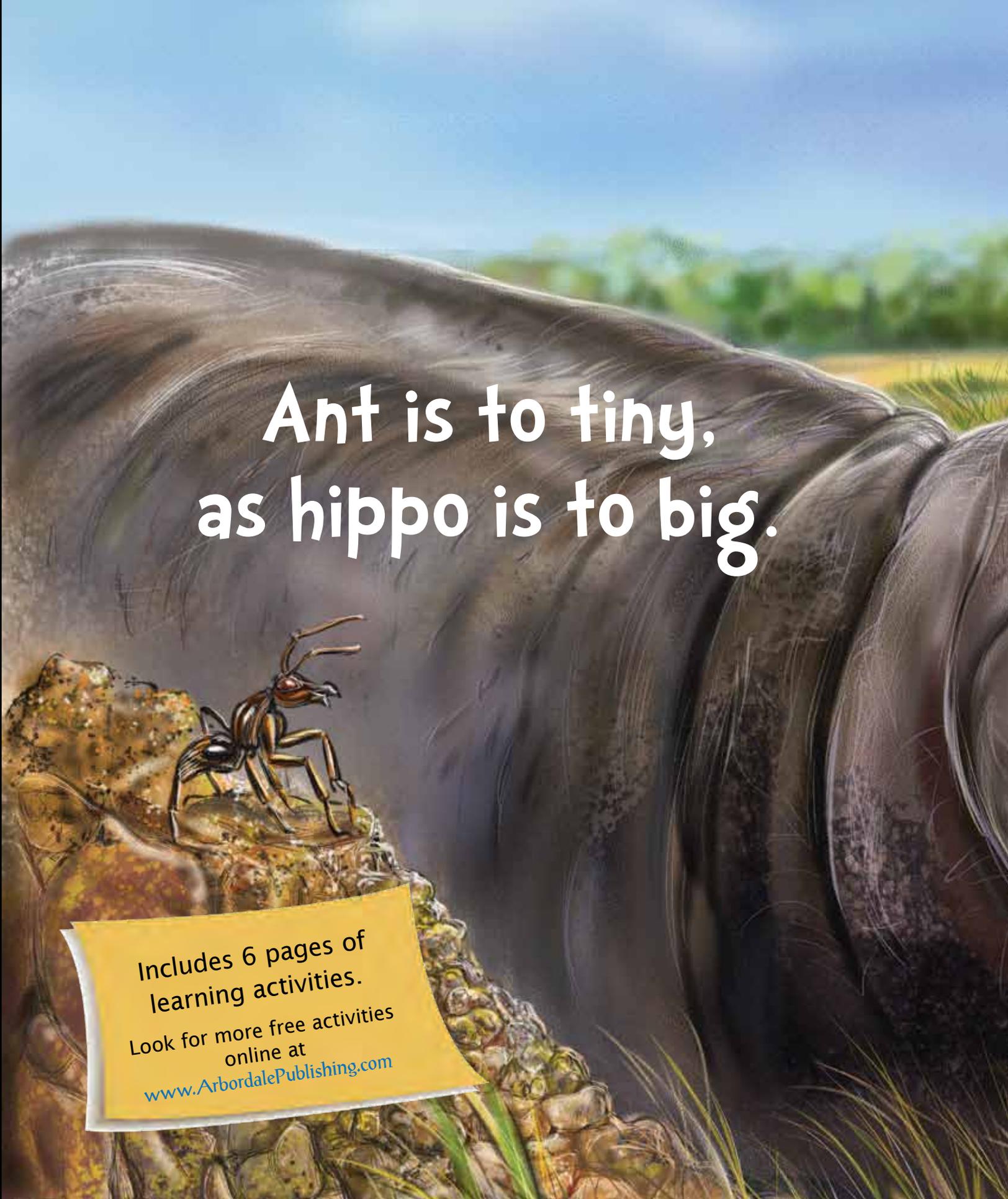
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Ant is to tiny,
as hippo is to big.

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