

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?

The collage features several images and labels: a silhouette of a person with arms raised labeled 'tall'; a yellow measuring tape with a snake coiled around it labeled 'long'; a green frog labeled 'small'; a bald eagle with wings spread labeled 'wide'; a small mouse labeled 'little'; a yellow chick labeled 'short'; three brown bears of different sizes labeled 'huge'; a purple scale with a bee on the 'light' side and a moose on the 'heavy' side, with 'tiny' and 'giant' also labeled; and a teal ruler at the bottom with inch markings from 0 to 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



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.

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

beaver: build :: spider: spin

chick: feathery :: bear: furry



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:

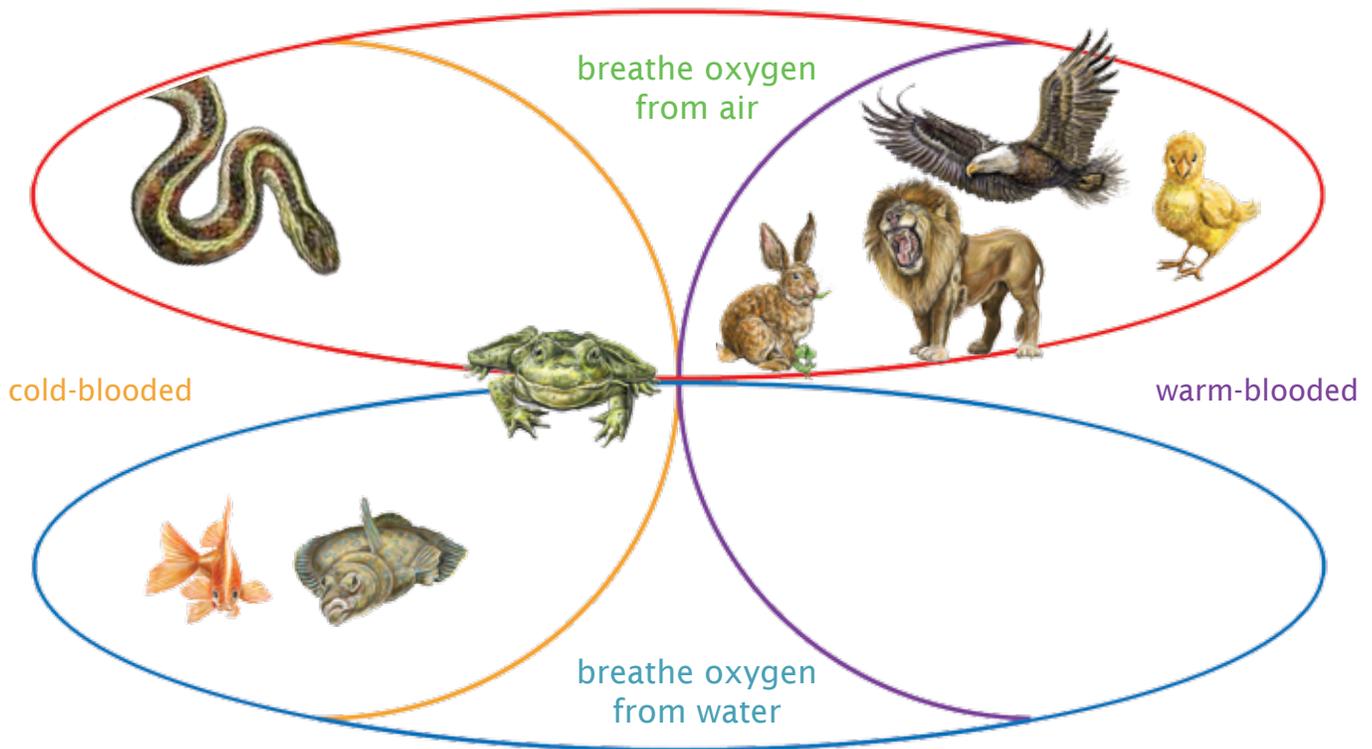
hair or fur
lungs to breathe
most have live birth
warm-blooded

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