

NIABI ZOO

Scavenger Hunt

Animal Characteristics

Break students up into 4 groups. Give each group a copy of the scavenger hunt (each copy is different). This scavenger hunt should take approximately 1 hour 45 minutes to 2 hours for students to complete. If time does allow for this, you can modify the hunt to fit your timeline. You can also give each group one page of the scavenger hunt to complete.

In order to make this a positive educational experience, we recommend doing a lesson prior to your visit, to give the students some background knowledge before they come to the zoo. Prior to your field trip, the students should be familiar with the animals at Niabi Zoo.

Enclosed in this packet you will find:

- 4 different copies of the scavenger hunt (1 for each group)
- Answer key- students
- Answer key- teachers
- Vocabulary sheet
- Niabi List of Animals
- Pre Field Trip Activities
- Post Field Trip Activities
- * Evaluation Form

The purpose of this scavenger hunt is to send students throughout Niabi Zoo to learn about our animals, while learning about animal characteristics. Students will need to use observation, as well as information from the educational signage at each exhibit, to find the answers for each clue.

Please make sure to have an established meeting place for your students to meet when finished with the scavenger hunt. A map of the zoo can be found at www.niabizoo.com

* After completing the scavenger hunt, please fill out the enclosed evaluation form. We strive to provide our community with quality educational programming. We appreciate your feedback in helping us provide the best possible programming!

Niabi Zoo Scavenger Hunt

Group # 1- Animal Characteristics

Clue # 1: I am a part of the ape family because I have no tail. My mate and I are different colors!

Clue # 2: I am a flightless animal, even though I have wings. I am the largest bird, and I can run up to 40 mph!

Clue # 3: I am part of the horse family, the only one with black and white stripes!

Clue # 4: I am not very big now, but long ago, we were the size of an ox! We live in Africa and amaze people by our ability to climb rocks and cliffs. Some people think I look like a vampire with my sharp pointy teeth, but they are actually tusks!

Clue #5: I am a feathered friend that is very brightly colored. My blue and gold colors serve as an excellent camouflage under the bright sun of Central and South America!

Clue # 6: Some of us have horns, some of us don't! We can be a variety of colors! I can be milked, and you can pet me here at Niabi Zoo!

Clue #7: I live in the water, as I use my gills to breath. I can be several different colors including red-gold and white colorings! I am considered an ornamental variety of carp and am popular in ornamental ponds because of my bright color!

Clue # 8: Many people think that I will shoot my quills out to protect myself, however that is only a myth!

Clue # 9: I have a thick mane that goes all around my neck, but only if I am a male. My tan color serves as a camouflage in deserts and grassland habitats!

Clue # 10: I am an animal with no legs, but I still get around. I can even get up in trees! I generally grow up to 20 feet long and 200 pounds, and am the largest of these at Niabi Zoo! I have a bold color pattern mainly in browns and yellows, and my skin is dry and scaly, which is periodically shed!

Clue # 11: I am called bald because I have a white head. I am the national symbol of the United States of America, and have a very long wing span!

Clue # 12: I live in a pack with a very complex social structure. My communication consists of howling!

Clue # 13: I like the mountains, as I am a very good climber and jumper. Males have long hair on their necks and forelegs. Males and females both have horns!

Clue # 14: I have a large body with very small legs. I am a dark color with a pink snout!

Clue # 15: I am the cat with the “bobbed” or very short tail. That is how I get my name!

Clue # 16: I am a rainforest primate. I have long white hair on my head that flows down onto my shoulders.

Clue # 17: I have one hump, but it doesn’t store water like most people think!

Clue # 18: I am black and white as an adult, but born all white. I am a *primate* with a rather long tail!

Clue # 19: I am the tallest land animal. I live in herds and can see for miles!

Congratulations, you have completed the Scavenger Hunt of Animal Characteristics!

Please meet your classroom at _____ when you are finished with your scavenger hunt.

Niabi Zoo Scavenger Hunt

Group # 2- Animal Characteristics

Clue # 1: Some of us have horns, some of us don't! We can be a variety of colors! I can be milked, and you can pet me here at Niabi Zoo!

Clue # 2: I am a rainforest primate. I have long white hair on my head that flows down onto my shoulders.

Clue # 3: I have one hump, but it doesn't store water like most people think!

Clue # 4: I live in a pack with a very complex social structure. My vocalization consists of howling!

Clue # 5: I have a thick mane that goes all around my neck, but only if I am a male. My tan color serves as a camouflage in deserts and grassland habitats!

Clue # 6: I live in the water, as I use my gills to breathe. I can be several different colors including red-gold and white colorings! I am considered an ornamental variety of carp and am popular in ornamental ponds because of my bright color!

Clue # 7: I am a flightless animal, even though I have wings. I am the largest bird, and I can run up to 40 mph!

Clue # 8: I am part of the horse family, the only with black and white stripes!

Clue # 9: I am the cat with the "bobbed" or very short tail. That is how I get my name!

Clue # 10: I am a graceful cat found in Africa and Asia. Of all the big cats, I spend the most time in trees.

Clue # 11: I am an animal with no legs, but I still get around. I can even get up in trees! I generally grow up to 20 feet long and 200 pounds, and am the largest of these at Niabi Zoo! I have a bold color pattern mainly in browns and yellows, and my skin is dry and scaly which is periodically shed!

Clue # 12: My arm span is twice the size of my height, making my arms useful for swinging from branch to branch, also called brachiation!

Clue # 13: I am black and white as an adult, but born all white! I am a *primate* with a rather long tail!

Clue # 14: Many people think that I will shoot my quills out to protect myself, however that is only a myth!

Clue # 15: I have a large body with very small legs. I am a dark colored animal with a pink snout!

Clue # 16: I am called bald because I have a white head. I am the national symbol of the United States of America, and have a very long wing span!

Clue # 17: I am not very big now, but long ago, we were the size of an ox! We live in Africa and amaze people by our ability to climb rocks and cliffs. Some people think I look like a vampire with my sharp pointy teeth, but they are actually tusks!

Clue # 18: I am a feathered friend that is very brightly colored. I am mostly green and my girlfriend is mostly red!

Clue # 19: I have one hump, but it doesn't store water like most people think!

Congratulations, you have completed the Scavenger Hunt of Animal Characteristics!

Please meet your classroom at _____ when you are finished with your scavenger hunt.

Niabi Zoo Scavenger Hunt

Group # 3- Animal Characteristics

Clue # 1: I am a flightless animal, even though I have wings. I am the largest bird, and I can run up to 40 mph!

Clue # 2: Many people think that I will shoot my quills out to protect myself, which is only a myth!

Clue # 3: I am from the Sahara desert. Although I am the smallest of my kind, though no one would ever call my ears small!

Clue # 4: I am part of the horse family, the only one with black and white stripes!

Clue # 5: I have one hump, but it doesn't store water like most people think!

Clue # 6: I am called bald because I have a white head! I am the national symbol of the United States of America, and have a very long wingspan!

Clue # 7: I am an animal with no legs, but I still get around. I can even get up in trees! I generally grow up to 20 feet long and 200 pounds, and am the largest of these at Niabi Zoo! I have a bold color pattern mainly in browns and yellows, and my skin is dry and scaly which is periodically shed!

Clue # 8: I am part of the ape family because I have no tail. My mate and I am different colors!

Clue # 9: I live in a pack with a very complex social structure! My communication consists of howling!

Clue # 10: I have a large body with very small legs! I am a dark colored animal with a pink snout!

Clue # 11: I am the cat with the "bobbed" or very short tail. That is how I get my name!

Clue # 12: I like the mountains, as I am a very good climber and jumper. Males have long hair on their necks and forelegs. Males and females both have horns!

Clue # 13: I am a feathered friend that is very brightly colored. My blue and gold colors serve as an excellent camouflage under the bright sun of Central and South America!

Clue # 14: Some of us have horns, some of us don't! We can be a variety of colors! I can be milked and you can pet me here at Niabi Zoo!

Clue # 15: : I live in the water, as I use my gills to breath. I can be several different colors including red-gold and white colorings! I am considered an ornamental variety of carp and am popular in ornamental ponds because of my bright color!

Clue # 16: I am black and white as an adult, but born all white! I am a *primate* with a rather long tail!

Clue # 17: I am not very big now, but long ago, we were the size of an ox! We live in Africa and amaze people by our ability to climb rocks and cliffs. Some people think I look like a vampire with my sharp pointy teeth, but they are actually tusks!

Clue # 18: I have a thick mane that goes all around my neck, but only if I am a male. My tan color serves as a camouflage in deserts and grassland habitats!

Clue # 19: I am the tallest animal. I roam the African savanna in herds.

Congratulations, you have completed the Scavenger Hunt of Animal Characteristics!

Please meet your classroom at _____ when you are finished with your scavenger hunt.

Niabi Zoo Scavenger Hunt

Group # 4- Animal Characteristics

Clue # 1: I live in the water, as I use my gills to breath. I can be several different colors including red-gold and white colorings! I am considered an ornamental variety of carp and am popular in ornamental ponds because of my bright color!

Clue # 2: I am a feathered friend that is very brightly colored. I am mostly green and my girlfriend is mostly red!

Clue # 3: I am the cat with the “bobbed” or very short tail. That is how I got my name!

Clue # 4: I like the mountains, as I am a very good climber and jumper. Males have long hair on their necks and forelegs. The males and females both have horns!

Clue # 5: Many people think that I will shoot my quills out to protect myself, however that is only a myth!

Clue # 6: I live in the Sahara desert. I’m the smallest of my kind, although no one would consider my ears small!

Clue # 7: I am the tallest animal. I roam the African savanna in herds.

Clue # 8: I am not very big now, but long ago, we were the size of an ox! We live in Africa and amaze people by our ability to climb rocks and cliffs. Some people think I look like a vampire with my sharp pointy teeth, but they are actually tusks!

Clue # 9: I am called bald because I have a white head. I am the national symbol of the United States of America, and have a very long wingspan!

Clue # 10: I have a large body with very small legs. I am a dark color with a pink snout!

Clue # 11: I have one hump, but it doesn’t store water like most people think!

Clue # 12: I live in a pack with a very complex social structure. My communication consists of howling!

Clue # 13: I am a flightless animal, even though I have wings. I am the largest bird, and I can run up to 40 mph!

Clue # 14: I am black and white as an adult, but born all white. I am a *primate* with a rather long tail!

Clue # 15: I am an animal with no legs, but I still get around. I can even get up in trees! I generally grow up to 20 feet long and 200 pounds, and am the largest of these at Niabi Zoo! I have a bold color pattern mainly in browns and yellows, and my skin is dry and scaly which is periodically shed!

Clue # 16: I am part of the horse family, the only one with black and white stripes!

Clue # 17: Some of us have horns, some of us don't! We can be a variety of colors! I can be milked and you can pet me here at Niabi Zoo!

Clue # 18: I have a thick mane that goes all around my neck, but only if I am a male. My tan color serves as a camouflage in deserts and grassland habitats!

Clue # 19: I am a part of the ape family because I have no tail. My mate and I are different colors!

Congratulations, you have completed the Scavenger Hunt of Animal Characteristics!

Please meet your classroom at _____ when you are finished with your scavenger hunt.

Niabi Zoo Scavenger Hunt

Animal Characteristics

Name: _____

Group #: _____

Answers:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

Group # 1 Answer Key

1. Buff Cheeked Gibbon
2. Ostrich
3. Zebra
4. Rock Hyrax
5. Blue & Gold Macaw
6. Goats
7. Koi fish
8. Porcupine
9. African Lion
10. Burmese Python
11. Bald Eagle
12. Wolves
13. Barbary Sheep
14. Pig
15. Bobcat
16. Cotton Top Tamarin
17. Camels
18. Colobus
19. Reticulated Giraffe

Group # 2 Answer Key

1. Goats
2. Cotton Top Tamarin
3. Camels
4. Wolves
5. African Lion
6. Koi fish
7. Ostrich
8. Zebra
9. Bobcat
10. Leopard
11. Burmese Python
12. White Handed Gibbon
13. Colobus
14. Porcupine
15. Pig
16. Bald Eagle
17. Rock hyrax
18. Eclectus parrot
19. Camels

Group # 3 Answer Key

1. Ostrich
2. Porcupine
3. Fennec fox
4. Zebra
5. Camel
6. Bald Eagle
7. Burmese Python
8. Buff Cheeked Gibbon
9. Wolves
10. Pig
11. Bobcat
12. Barbary Sheep
13. Blue & Gold Macaw
14. Goats
15. Koi Fish
16. Colobus
17. Rock Hyrax
18. African Lion
19. Reticulated Giraffe

Group # 4 Answer Key

1. Koi Fish
2. Eclectus Parrot
3. Bobcat
4. Barbary Sheep
5. Porcupine
6. Fennec Fox
7. Reticulated Giraffe
8. Rock Hyrax
9. Bald Eagle
10. Pig
11. Camels
12. Wolves
13. Ostrich
14. Colobus
15. Burmese Python
16. Zebra
17. Goats
18. African Lion
19. Buff Cheeked Gibbon

Vocabulary Sheet

Adaptation: A special feature of a living thing that makes it better suited to its particular way of life.

Amphibian: A cold-blooded vertebrate that lives partly in water and partly on land.

Birds: An animal with feathers and wings.

Camouflage: The way animals hide by blending in with their surroundings.

Diurnal: Active during the day, but inactive at night.

Endangered: At risk of extinction.

Extinction: The permanent disappearance of a species.

Hibernation: A resting state somewhat like a very deep sleep, which occurs in some animals in the winter time.

Mammal: A warm-blooded animal with hair that feeds its young on milk.

Nocturnal: Active at night, but inactive during the day.

Predator: An animal that kills and eats other animals.

Prehensile: Able to wrap around and grasp objects.

Prey: An animal that is killed and eaten by another animal.

Primate: A mammal with flexible fingers and toes and forward pointing eyes.

Reptile: A cold-blooded vertebrate with scaly skin.

Species: A group of living things that can breed together.

Niabi Zoo Animals

Mammals

Aoudad or Barbary Sheep
Zebu
Dromedary Camel
American Elk
Vietnamese Pot Belly Pig
Pygmy Goat
Nubian Goat
Domestic Sheep
Common Zebra
Red Wolf
African Lion
Bobcat
Snow Leopard
Leopard
North American Porcupine
Two-toed Sloth
Binturong
Black & White Colobus
Cotton-Top Tamarin
White Handed Gibbon

Birds

Australian Black Swan
Canada Goose
Cinnamon Teal Duck
Domestic Duck
Mandarin Duck
Domestic Goose
Egyptian Goose
Green Winged Teal Duck
Mute Swan
Ringed Teal Duck
Sacred Ibis
Whooper Swan
Bald Eagle
Red-Tailed Hawk
Rough Legged Hawk
Barred Owl
Great Horned Owl
Turkey Vulture
King Vulture
Jackson's Hornbill
Wrinkled Hornbill
Lilac-Breasted Roller
Common Mynah
Australian Crested Dove
Fan-Tailed Pigeon
Green-Winged Dove
Chukar
Helmeted Guineafowl
Lady Amherst Pheasant

Silver Pheasant
African Grey Parrot
Blue & Gold Macaw
Blue-Crowned Hanging Parrot
Blue-Fronted Amazon
Green-winged Macaw
Military Macaw
Scarlet Macaw
Severe Macaw
Moluccan Cockatoo
Peach-Faced Lovebird
Red Lory
Black Capped Lory
Sulpher Crested Cockatoo
Sun Conure
Emu
Rhea
Ostrich
Black Swan
Edward's Pheasant
White-Crested Kalij
Common Peafowl
Southern Green Pheasant
Masked lapwing
Crested Pigeon
Goffin's Cockatoo
Salmon-Crested Cockatoo
Dusky-Headed Conure
Red-Fronted Parakeet
Eclectus Parrot
Budgerigar
Nanday Conure
Rosella
Red-Rumped Parrot
Plum-Headed Paraket
Alexandrine Parakeet
Rose-Ringed Parakeet
Grey Parrot
Green-Cheeked Conure
Turacos
Common Waxbill
Nutmeg Mannikin
White-Rumped Munia
Zebra Finch
Orange Bishop
Wattled Starling

Reptiles

Boa Constrictor
Amethystine Python
Burmese Python
Ball or Royal Python
California King Snake
Texas Longnose Snake

Egyptian Spiny-Tailed Lizard
Leopard Gecko
Madagascar Day Gecko
Prehensile-Tailed Skink
American Alligator
Inland Bearded Dragon
Blue-Tongued Skink
Curly-Tailed Lizard
African Fat-Tailed Gecko
Timor Monitor
Green Iguana
Water Monitor
Leopard Tortoise
Central Asian Tortoise
Keeled Box Turtle
Three Toed Box Turtle
Ornate Box Turtle
Veiled Chameleon
Poison Dart Frog
Tree Frog

** With any living thing, animals are subject to change.*

IL State Learning Standards that could be applied to this material:

English Language Arts:

1A, 1B, 1C; 3A, 3B, 3C; 4A, 4B; 5A, 5B, 5C

Goal 1 (Reading) 1A, 1B, 1C

Vocabulary skills, animal stories

Goal 3 (Writing) 3A, 3B, 3C

Creative writing, research reporting

Goal 4 (Listening & Speaking) 4A, 4B

Class discussion, class project, student reports

Goal 5 (Research) 5A, 5B, 5C

Research, organize and report information

Science:

11A; 12A, 12B

Goal 11 (Inquiry and Design): 11A

Investigating conservation efforts, collecting data on species

Goal 12 (Concepts & Principles): 12A, 12B

Conservation efforts, conservation status of animals, ecosystems and habitats.

Physical Development & Health:

21A, 21B; 24A

Goal 21 (Team Building): 21A, 21B

Working together to determine answers to clues to complete scavenger hunt

Goal 24 (Decision Making): 24A

Behaving appropriately around animals and to accomplish group task.

Pre Field Trip Activities

Behind each activity you will find state goals that can be applied to each activity.

1. Have students brainstorm on some ways that animals have adapted to survive in the wild... discuss camouflage, social behavior, adaptations for killing prey, or gathering food. Have students create a list on the chalk board. (1A; 3A; 4A, 4B; 5A, 5B, 5C; 12A, 12B)
2. Have students create 3 research questions based on survival traits among animals. Collect and redistribute questions to students, having them answer the questions based on research. (1B, 1C; 3A, 3B, 3C; 5A, 5B, 5C; 11A; 12A, 12B)
3. Have each students choose one animal that has a unique characteristic. Have them study that characteristic and present their findings to the class. (1B, 1C; 3A, 3B, 3C; 5A, 5B, 5C; 12A, 12B)
4. Using the list on Niabi Zoo animals, assign each student to an animal. Have them find 5 interesting facts on that animal and present their facts to the classroom. This will give the students a briefing on the animals housed at Niabi Zoo. (1A, 1B, 1C; 3A, 3B, 3C; 5A, 5B, 5C; 12A, 12B)

Post Field Trip Activities

Behind each activity you will find state goals that can be applied to each activity.

1. Have students put animals at Niabi Zoo into categories that best fits their adaptations for survival...

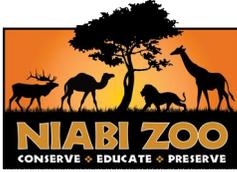
Categories: Physical Characteristics, Social Behavior, Physical Characteristics & Social Behavior, No Survival Characteristics

(1A; 3A; 11A; 12A, 12B)

2. Have students choose one animal to research further on their means of survival. *(1B, 1C; 3A, 3B, 3C; 5A, 5B, 5C; 12A, 12B)*

3. Have students choose several animals that they did not see at Niabi Zoo and have them research to learn about their adaptations for survival! *(1B, 1C; 3A, 3B, 3C; 5A, 5B, 5C; 12A, 12B)*

4. Have each student create their own storybook. The book should contain 1) a fictional story about an animal and how their characteristics help save their life in some situation, 2) pictures to correlate with the story. *(3A, 3B, 3C)*



Niabi Zoo Evaluation Form

Packet/ Kit

Please take a few minutes to complete this form and return to the Education Department. We appreciate your input to help us provide quality educational programs and materials! Please return evaluation form to Niabi Zoo, Kohler Education Center. All returned evaluation forms will be entered for a drawing!

Which packet/kit did you use:

Scavenger hunt

Notebook tour

Zoo Trunk

Zoo Activity Packet

Creature Feature Kit

Please specify title: _____

Name: _____

Address: _____

Please rate the following by circling the appropriate number:

1= Unsatisfactory, 4= Excellent

Information provided was useful? 1 2 3 4

Subject material was age appropriate 1 2 3 4

Would you recommend this packet/ kit to others 1 2 3 4

If used in correlation with a field trip to Niabi Zoo:

Packet/ kit corresponded with the field trip 1 2 3 4

Pre and post activities were relevant 1 2 3 4