

Roscoe's Bandits

activity book



Theodore Roosevelt, the 26th President, was the youngest in the nation's history at age 43.

Nothing worth having was ever achieved without effort.
- Theodore Roosevelt

Name: _____ Park: _____



Dakota Explorers

For Ages 7 - 12

A Dakota Explorers Activity Book

2014 North Dakota Parks & Recreation Department

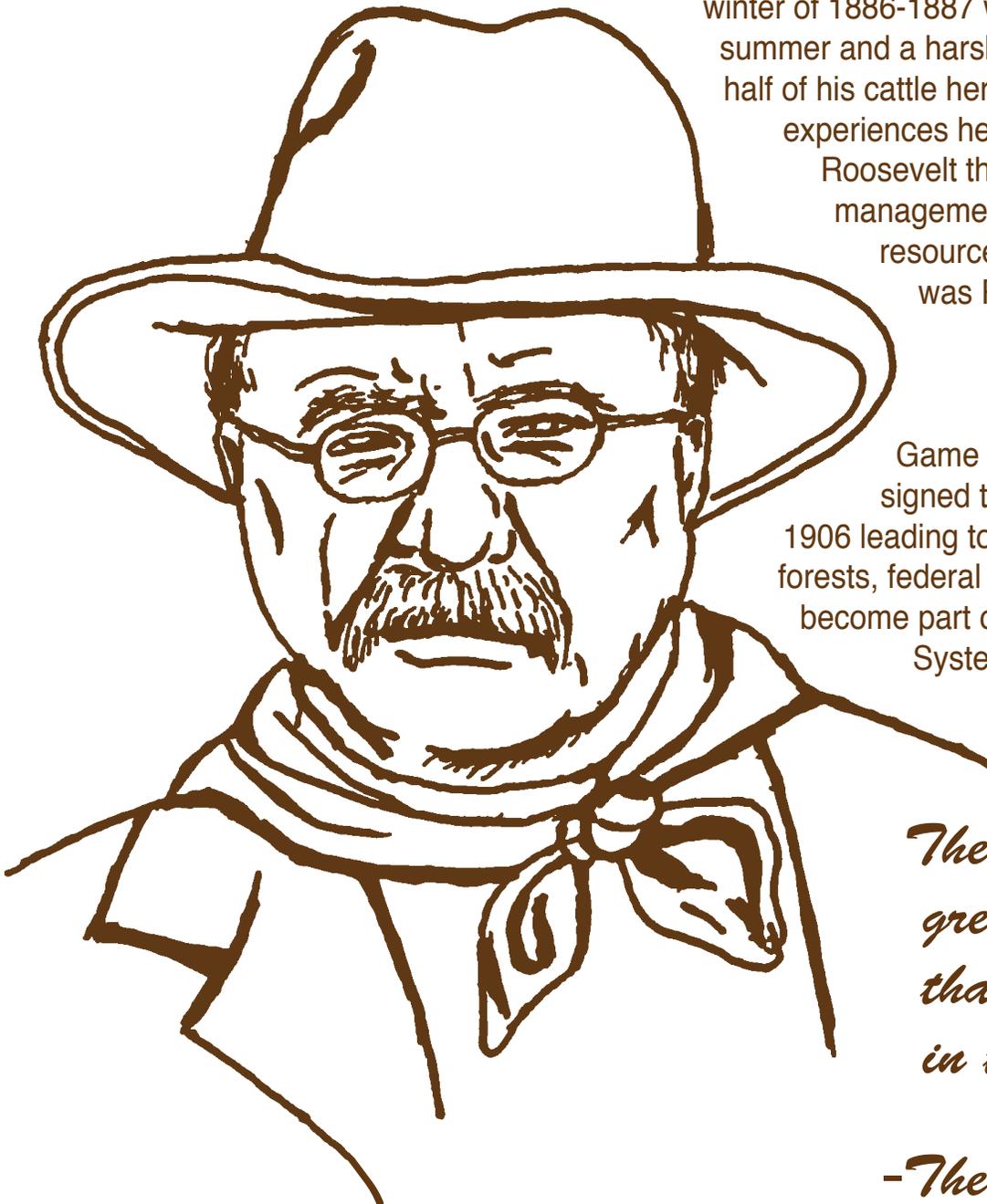


"Come play in our backyard!"

Theodore Roosevelt

Theodore Roosevelt loved to read and had a fascination with the American West. In 1883, he took a train from New York to Medora, North Dakota for the first time. He originally came to hunt bison, but quickly learned that the vast herds had already been decimated by heavy hunting. Roosevelt developed an interest in cattle ranching and invested in a herd. He hired two cowboys to tend his herd while he returned to New York to resume his legislative duties in the state assembly. While in New York, both his mother and his wife died on Valentine's Day 1884. Roosevelt dealt with their deaths by immersing himself in work. That spring, he returned to North Dakota and put his thoughts, energy, and labor into his Maltese Cross Ranch, and later that summer, the Elkhorn Ranch. Soon he realized how overgrazing in the Badlands spelled trouble for the future. Trouble came in the

winter of 1886-1887 when the combination of a dry summer and a harsh winter led to the loss of over half of his cattle herd. That collapse and his other experiences here, left such an impression on Roosevelt that he saw the need for proper management and conservation of natural resources. While Theodore Roosevelt was President, he created the U.S. Forest Service, established five new National Park units including Sully's Hill National Game Preserve in North Dakota, and signed the American Antiquities Act of 1906 leading to the establishment of national forests, federal bird reservations which would become part of the National Wildlife Refuge System, and several national game preserves.



There can be no greater issue than that of conservation in this country.

-Theodore Roosevelt



Eye-identify the insect world

Complete the math problems in each table. Then, using the code box below, find the letter that matches each answer to decode the word and complete the sentence describing how insects see.

A = 4	C = 15	D = 14	E = 11	G = 2	H = 16	I = 12	L = 1
M = 8	N = 6	O = 3	P = 7	S = 10	T = 5	U = 13	Y = 9

Most insects have two _____ eyes each containing up to 30,000 different lenses (receptor cells and nerves) in a honeycomb pattern.

Problem	10 + 5	2 + 1	4 + 4	9 - 2	10 - 7	10 + 3	3 + 3	15 - 1
Solution								
Letter								

Some insects, such as grasshoppers, have _____ eyes in addition to compound eyes.

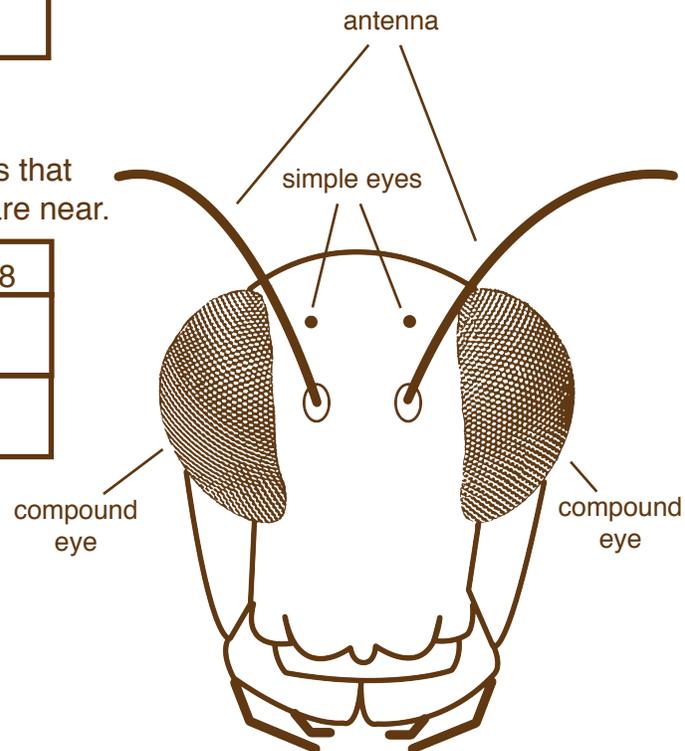
Problem	5 + 5	14 - 2	12 - 4	5 + 2	0 + 1	8 + 3
Solution						
Letter						

Compound eyes do not see much _____ or objects that are far away, but can see quick movements and objects that are near.

Problem	10 + 4	13 - 2	4 + 1	9 - 5	8 + 4	9 - 8
Solution						
Letter						

Compound eyes are sensitive to _____.

Problem	7 - 6	6 + 6	8 - 6	20 - 4	2 + 3
Solution					
Letter					



Know before you go

When you go camping, plan to pack items that will keep you safe, comfortable, and happy. Some of those items are listed below. Unscramble the words and find them in the picture.

1. iesnelgp gab _____

2. amacre _____

3. tten _____

4. ksncas _____

5. kirdnngi atrew _____

6. mpa _____

7. bkacackp _____

8. gbu arpsy _____

9. copmass _____

10. ehlsitw _____

11. sailfthlgh _____

12. srnnceseu _____

13. luinsrcoba _____

14. trifs dai tki _____



Answers: 1. sleeping bag 2. camera 5. tent 4. snacks 5. drinking water 6. map 7. backpack 8. bug spray 9. compass 10. whistle 11. flashlight 12. sunscreen 13. binoculars 14. first aid kit

"Monsters" in the park

Follow the directions to fix the story.

Cross out:

5 colors

4 shapes

3 aquatic mammals

4 flowers

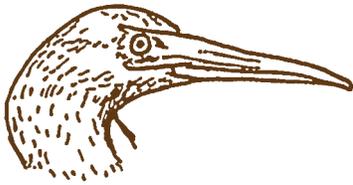
6 fish

5 words ending in 'ie'

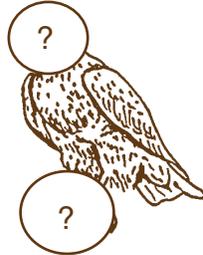
People sometimes think orange bass that nature is a scary place; that there are marigold monsters lurking around every pie tree. The leaves-of-three bluegill lurking around the campsite, waiting for an unsuspecting passerby. Ticks patiently holding their triangle front legs rose outstretched, latching on as meals meander by. As scary as these yellow monsters might seem, each has an pink important role within our parks' ecosystems. Ticks are circles like bluebell mosquitoes in that they need a blood meal, but that is their only whale food source, they don't eat walleye anything else. Ticks aren't pixie insects, but arachnids like beaver spiders and catfish scorpions; they have 8 legs, but no spinnerets green for spinning silk. Shrews and some square species of birds, spiders and ants eat trout ticks. Poison ivy has leaves arranged in groups of three, so remember "leaves of three let it be". Unfortunately, their sheltie leaves can look vastly different daisy from plant to plant, and the plant can grow as a short sea otter groundcover plant, a bush, or as a oval vine. However, because poison brown ivy produces a berry late in the season, several reverie bird species rely on it as a winter necktie food source. Even though these paddlefish monsters lurk in our parks, it's nice to know they are part of the ecosystem.

Best beaks and neat feet

The birds below need their beaks and feet to complete their bodies. Match them by drawing lines from the head and the feet to the correct body, then identify each bird.



Spear beak



I am a predator.

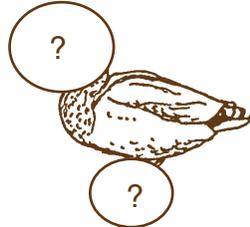


Webbed feet for swimming.

Who am I? _____



Hammer and drill beak



I waddle when walking.



Two toes forward and two toes backward with sharp claws for better grip.

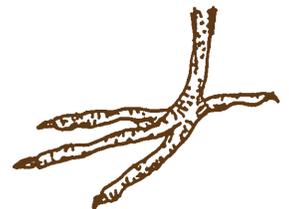
Who am I? _____



Shredder beak

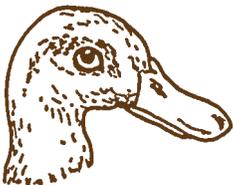


I climb up and down trees hunting insects.



Feet like a dinosaur for walking and scratching.

Who am I? _____



Strainer beak



I spend most of my time cruising along the shoreline.



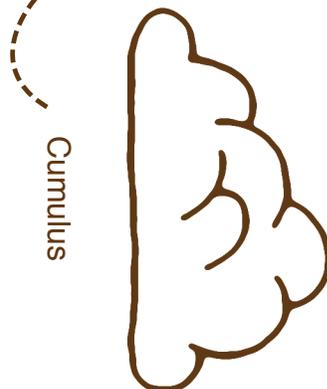
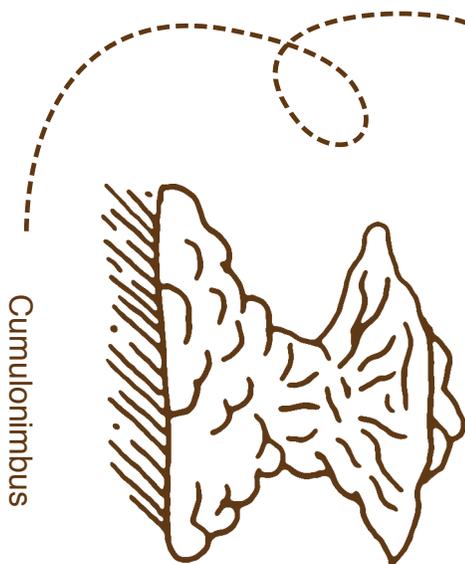
Sharp talons for holding wriggling prey.

Who am I? _____

In the clouds

Clouds are collections of tiny droplets of water, or ice crystals, attached to dust particles suspended in the atmosphere. The shape, and how high or low they are, tell us about the weather. Hold the page up to the sky, circle the clouds you observe.

Definition	Weather	Altitude
"curl"	Thin, wispy clouds signal fair weather	High
"high heaped"	Wavy, round, rolling clouds on a warm morning, usually precede a cold front or thunderstorms	Middle
"spread-out rain"	Low, thick blanket cloud with light precipitation	Middle
"prostrate heap"	Large, dark rounded clouds precede or follow bad weather	Low
"heap or pile"	Puffy, cotton-like clouds indicate fair weather	Low
"column rain"	Tall, dense clouds usually signal thunderstorms	Low- bottoms

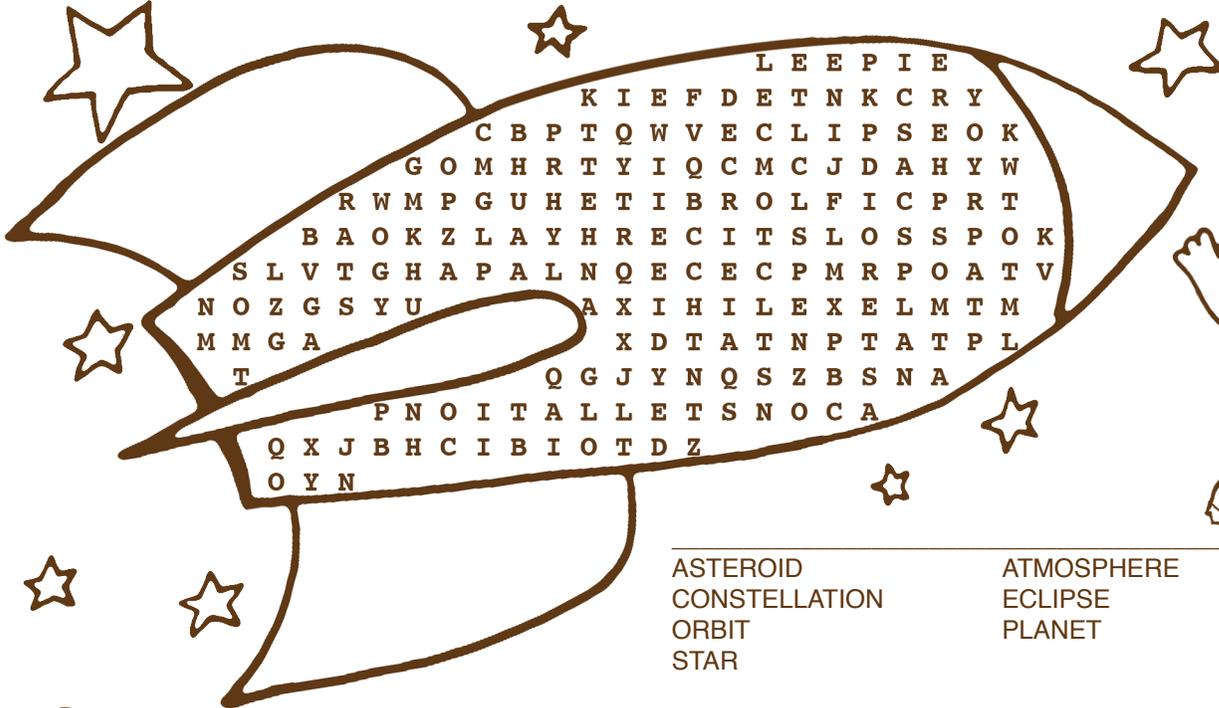




Astronomy



Here are several words that relate to astronomy. See if you can find them in the word search below. You might find them up, down, right, left, diagonal and backwards.



ASTEROID
CONSTELLATION
ORBIT
STAR

ATMOSPHERE
ECLIPSE
PLANET

COMET
GALAXY
SOLSTICE

cut here

Dakota Explorers Certificate



_____ has completed the required Dakota Explorers activities and has proven that he/she has learned more about the North Dakota State Parks and the responsibility we all share in conserving our natural resources.

Park Official: _____

Date: _____



"Come play in our backyard!"