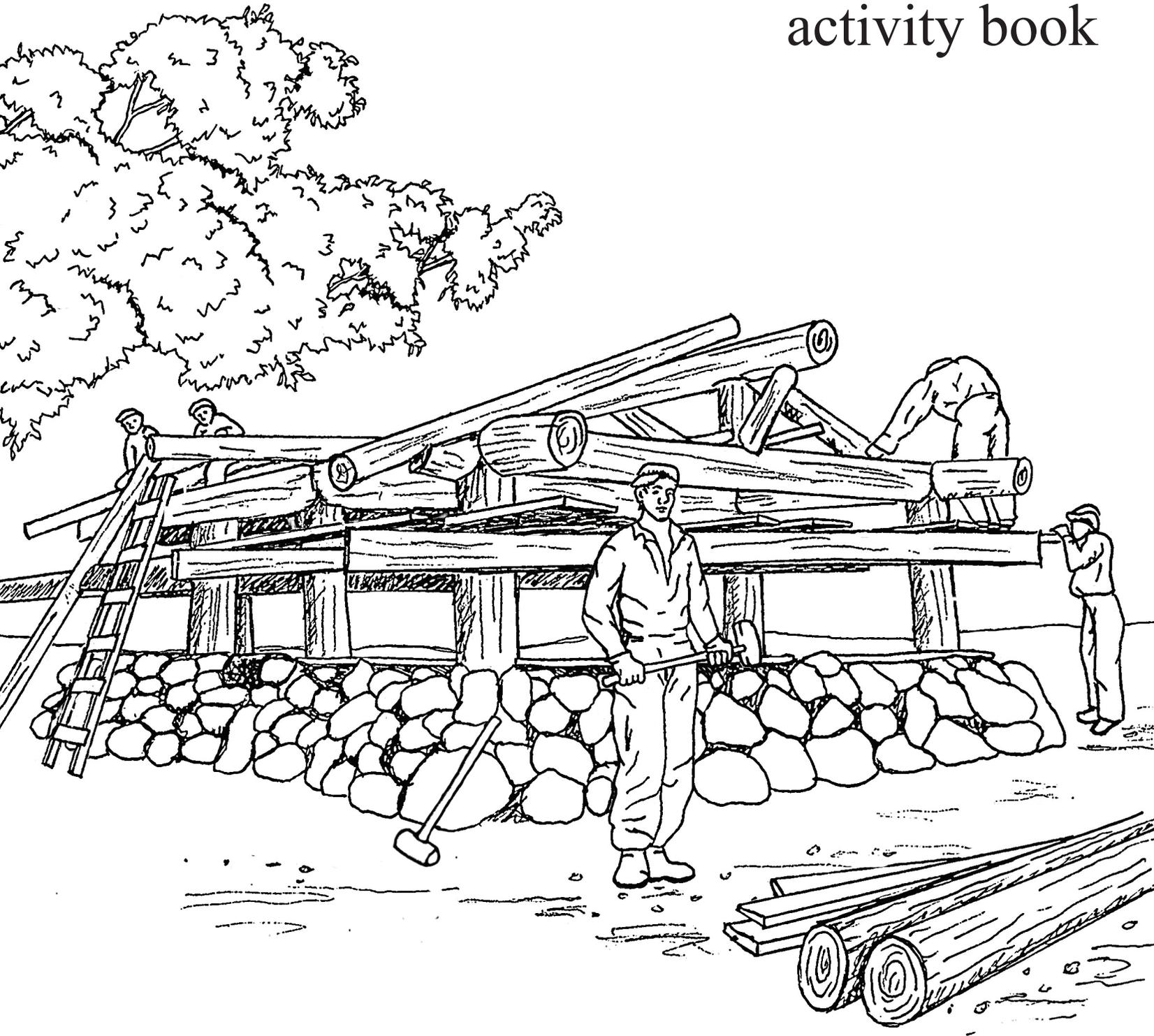


Roscoe's Rangers

activity book



Name: _____ Park: _____



Dakota Explorers

For Ages 13 & up
A Dakota Explorers Activity Book
2014 North Dakota Parks & Recreation Department



"Come play in our backyard!"

Civilian Conservation Corps

As part of President Franklin D. Roosevelt's "New Deal" the Emergency Conservation Work Act enacted in 1933 created the Civilian Conservation Corps (CCC) to serve a dual purpose; unemployment relief, and conservation of the country's natural resources. The CCC was open to eligible, unemployed, unmarried men ages 18-25. The "dollar a day" boys enrolled for a minimum term of six months and could re-enroll for up to two years. They were paid \$30 a month; \$25 had to be sent home to their families. Food, clothing, shelter, and medical care were provided to the enrollees. Imagine having only \$5 a month to spend on incidentals.

The CCC program operated from 1933 until 1942; over three million young men participated during those years. Enrollees were organized in companies administered by the US Army and one of the first things many enrollees did was construct their camp. The enrollees provided manual labor for projects such as soil conservation and erosion control, biological surveys, building and improving fish hatcheries and improving miles of streams and rivers, disaster and emergency response, and construction of dams, roads, and park facilities. By the end of the program the CCC had planted over three billion trees and

implemented erosion control measures on over 20

million acres. In return for their labor the men

learned valuable skills and many continued

their formal education. The program drew to

a close in 1942 as the United States

became involved in World War II.

At its peak there were 16 CCC camps in North Dakota, they helped build portions of Theodore Roosevelt National Park, the International Peace Garden, and two state parks. They also planted trees, assisted with erosion control, soil conservation, and drainage of public and private lands.



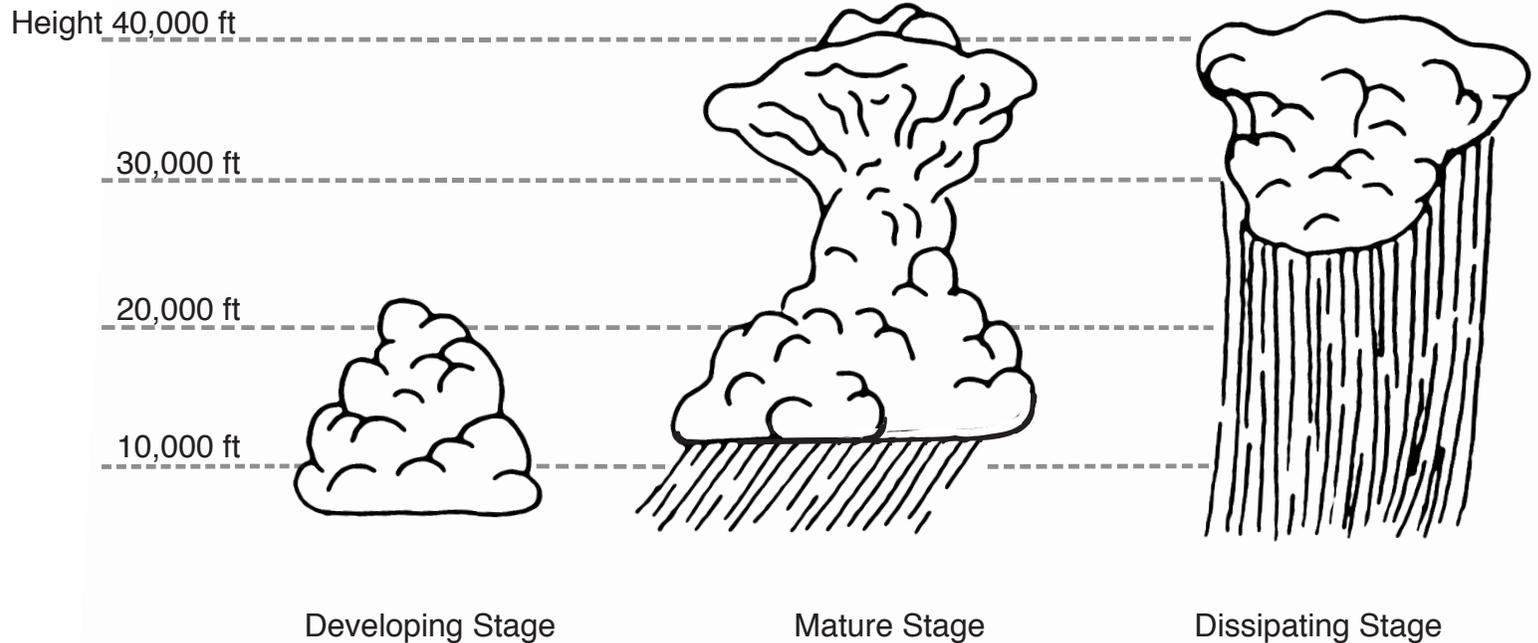
The CCC is a young, unskilled, mobile force which can be employed to advantage in regions remote from cities or labor centers.

-Robert Fechner, Director of the Civilian Conservation Corps



Weather watchers

All thunderstorms develop in three stages.



Below are some common severe weather terms.

Watch- conditions are favorable for severe weather in or around the watch area

Warning- severe weather is imminent or occurring

Severe Thunderstorm- a storm producing hail $\frac{3}{4}$ " in diameter or larger and/or wind gusts of 58mph or more

Tornado- a violent rotating column of air attached to a thunderstorm and making contact with the ground

Funnel Cloud- a rotating, funnel-shaped cloud extending downward from a thunderstorm

Lightning- a massive electrostatic discharge between the charged regions within clouds or between a cloud and the surface

Thunder- result of sonic shock wave caused by the rapid increase in pressure and temperature caused by lightning

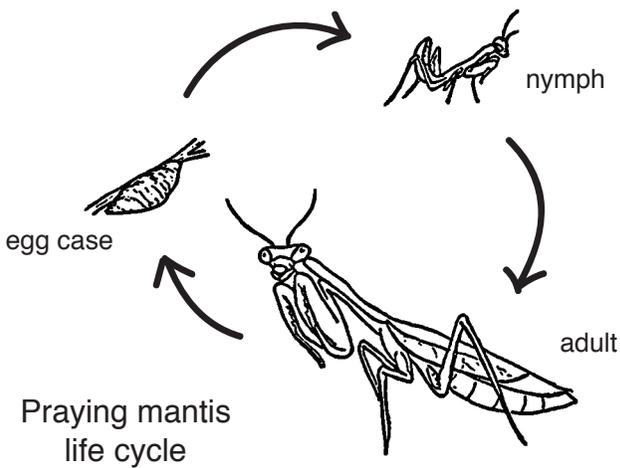
Insectigations

Plot the points to determine the letters and discover which insects go through which life cycle.

The word metamorphosis means “change form.”

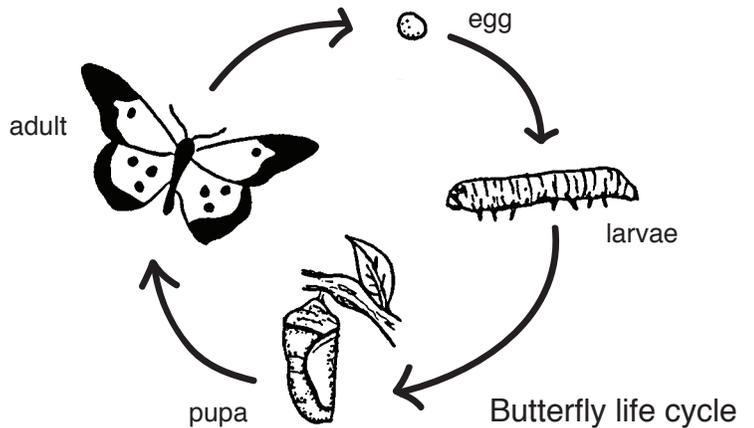
Incomplete metamorphosis

During incomplete metamorphosis, nymphs look like small adults, but they usually don't have wings. Nymphs molt 4-8 times, shedding their exoskeletons as they grow into adults. As an adult, insects stop molting and may have wings.



Complete metamorphosis

Complete metamorphosis has 4 stages. After hatching from the egg, larvae look completely different from adult insects. They may molt several times and eventually form a pupa where they change form and emerge as an adult.



	1	2	3	4	5
A	E	R	G	S	T
B	A	Y	D	J	K
C	F	C	U	I	N
D	W	L	C	V	B
E	P	X	H	M	O

$\overline{D3}$ $\overline{A2}$ $\overline{C4}$ $\overline{D3}$ $\overline{B5}$ $\overline{A1}$ $\overline{A5}$

$\overline{B3}$ $\overline{A2}$ $\overline{B1}$ $\overline{A3}$ $\overline{E5}$ $\overline{C5}$ $\overline{C1}$ $\overline{D2}$ $\overline{B2}$

$\overline{A3}$ $\overline{A2}$ $\overline{B1}$ $\overline{A4}$ $\overline{A4}$ $\overline{E3}$ $\overline{E5}$ $\overline{E1}$ $\overline{E1}$ $\overline{A1}$ $\overline{A2}$

$\overline{E4}$ $\overline{B1}$ $\overline{B2}$ $\overline{C1}$ $\overline{D2}$ $\overline{B2}$

$\overline{D2}$ $\overline{B1}$ $\overline{B3}$ $\overline{B2}$ $\overline{D5}$ $\overline{C3}$ $\overline{A3}$

$\overline{D5}$ $\overline{C3}$ $\overline{A5}$ $\overline{A5}$ $\overline{A1}$ $\overline{A2}$ $\overline{C1}$ $\overline{D2}$ $\overline{B2}$

Camp Sudoku

Complete the Sudoku below, make sure all nine images are in each column, row and square. Think about how each image relates to your state park visit.

Navigating the parks

Follow the cardinal directions to retrieve letters that spell out various things you can do, explore, and discover in the parks.

Start at T T

E3, N1

S1, W4

N1, E3

S2, W2 L

W1

Start at H H

S1

W2

N1, E1

Start at C C

W3

N1

N1, E4

Start at G G

E1

S2

E1

W3

E3

N2

W1

S3, W2

Start at W W

N2

W2, S2 L

E1

W1

N2, E2

N1, W3

E2

Start at C C

W3

N1

E4, N1

W4

S1, E3

E1 R

W2, N1

Start at F F

S1, E3

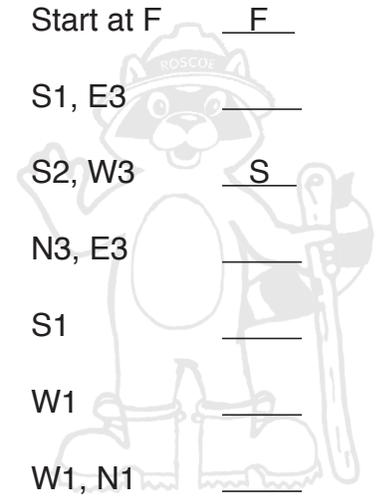
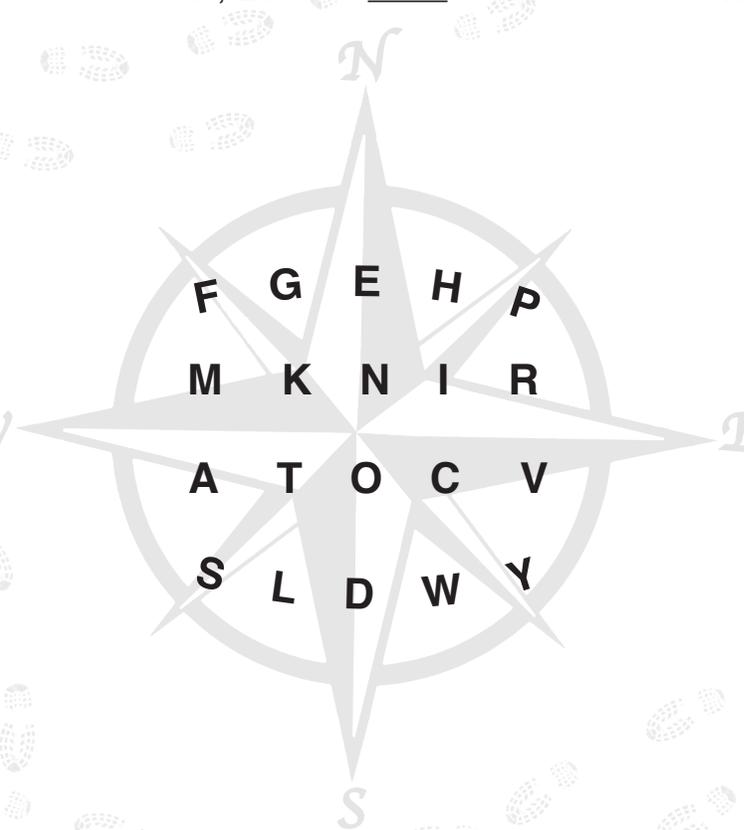
S2, W3 S

N3, E3

S1

W1

W1, N1

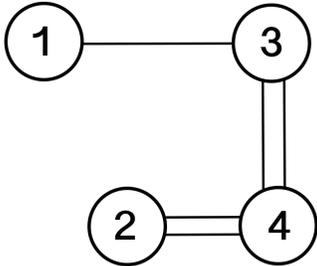


Solar system hashi

Connect all of the planets into a single group.

Bridges must be straight horizontal or vertical lines beginning and ending at different planets, they may not cross other bridges or planets.

No more than two bridges can connect a pair of planets, and the total number of bridges must match the number on the planet.



Example:



 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!"