

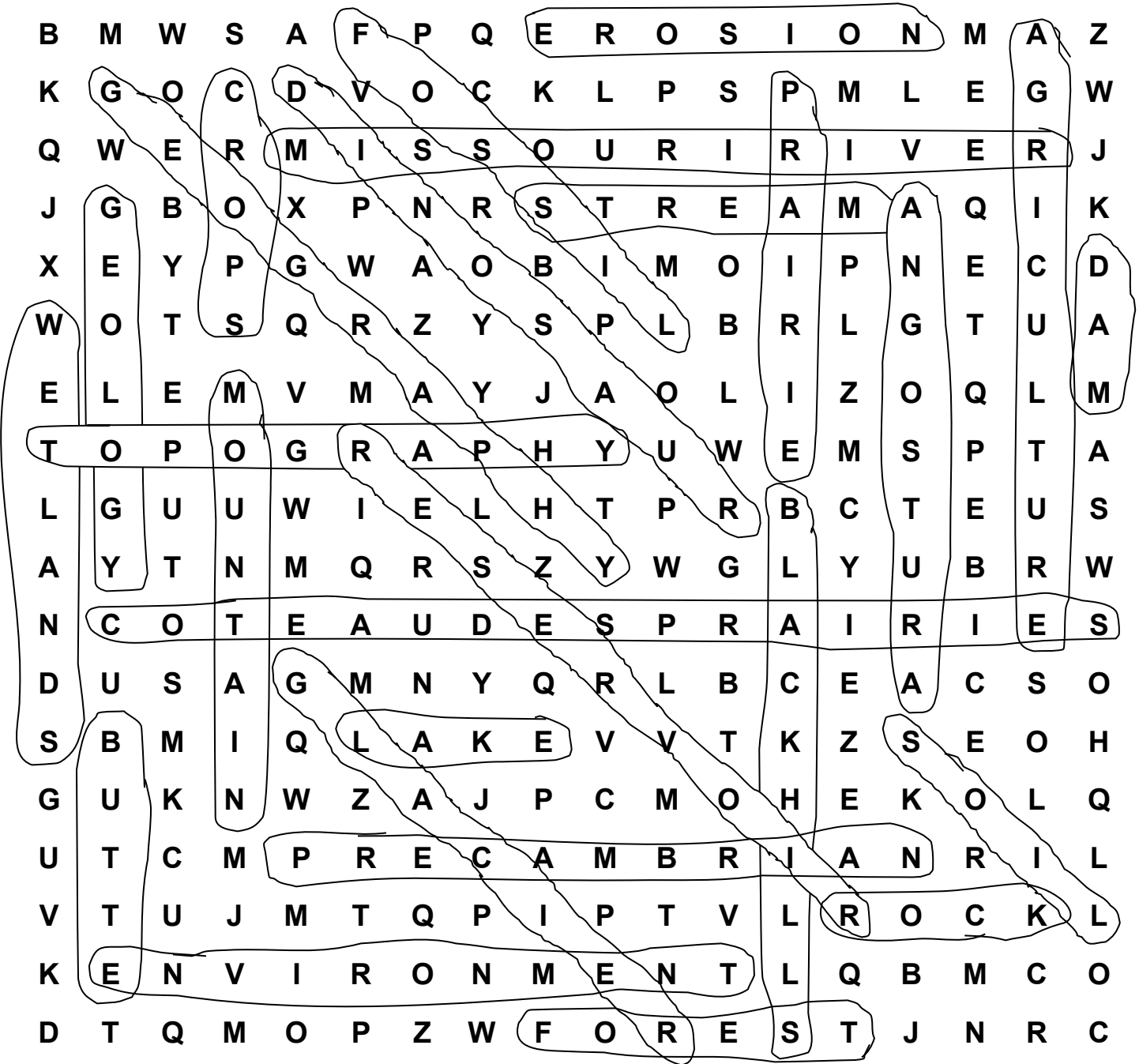
Name \_\_\_\_\_

**Word Find**

B M W S A F P Q E R O S I O N M A Z  
K G O C D V O C K L P S P M L E G W  
Q W E R M I S S O U R I R I V E R J  
J G B O X P N R S T R E A M A Q I K  
X E Y P G W A O B I M O I P N E C D  
W O T S Q R Z Y S P L B R L G T U A  
E L E M V M A Y J A O L I Z O Q L M  
T O P O G R A P H Y U W E M S P T A  
L G U U W I E L H T P R B C T E U S  
A Y T N M Q R S Z Y W G L Y U B R W  
N C O T E A U D E S P R A I R I E S  
D U S A G M N Y Q R L B C E A C S O  
S B M I Q L A K E V V T K Z S E O H  
G U K N W Z A J P C M O H E K O L Q  
U T C M P R E C A M B R I A N R I L  
V T U J M T Q P I P T V L R O C K L  
K E N V I R O N M E N T L Q B M C O  
D T Q M O P Z W F O R E S T J N R C

ENVIRONMENT	BLACK HILLS	GEOGRAPHY	PRAIRIE	ANGOSTURA	
MISSOURI RIVER	AGRICULTURE	WETLANDS	TOPOGRAPHY	PRECAMBRIAN	
ROCK	GLACIER	EROSION	LAKE	DINOSAUR	FOSSIL
RESERVOIR	STREAM	MOUNTAIN	GEOLOGY	SOIL	BUTTE
DAM	FOREST	CROPS	COTEAU DES PRAIRIES		

### Word Find Key

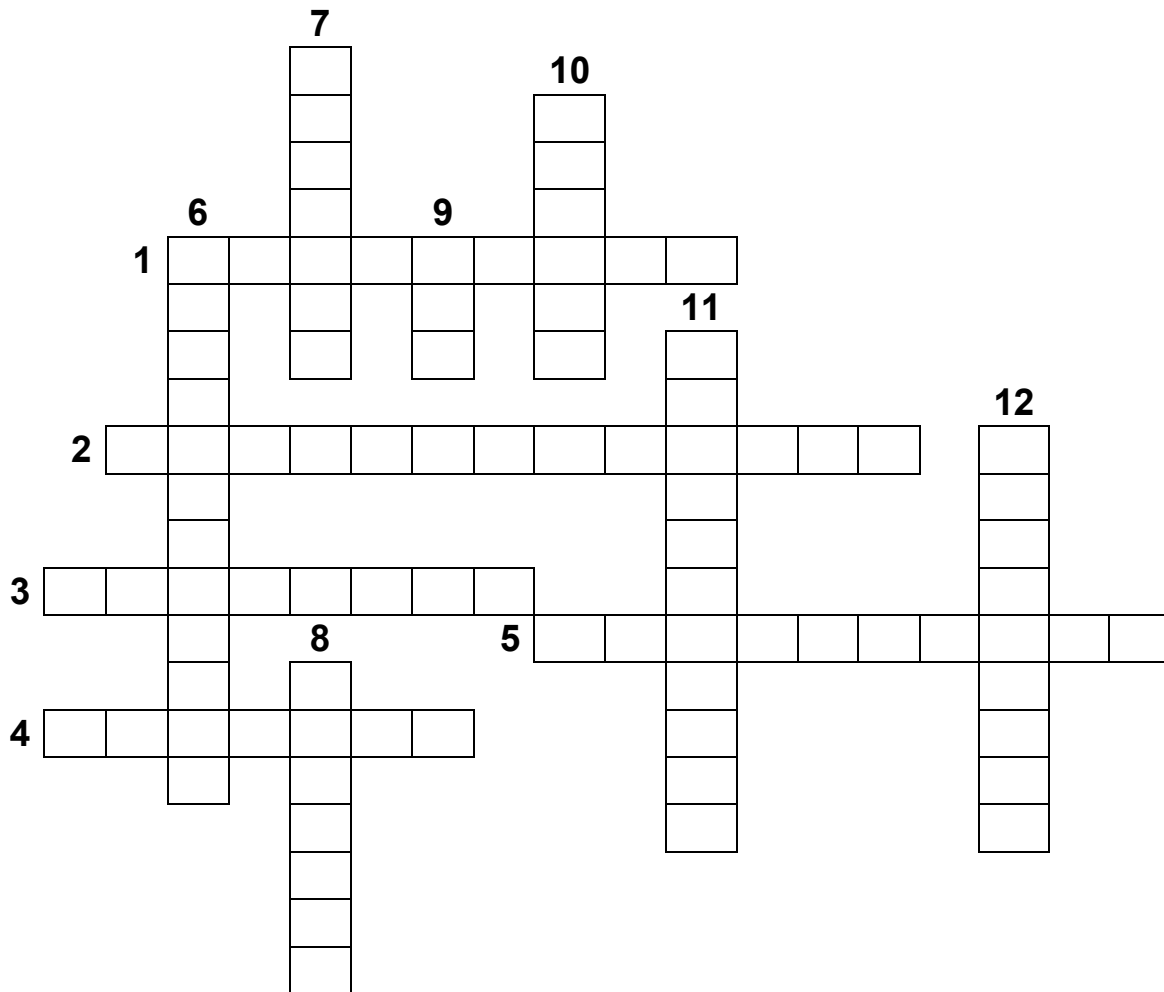


- |                |             |           |                     |             |        |
|----------------|-------------|-----------|---------------------|-------------|--------|
| ENVIRONMENT    | BLACK HILLS | GEOGRAPHY | PRAIRIE             | ANGOSTURA   |        |
| MISSOURI RIVER | AGRICULTURE | WETLANDS  | TOPOGRAPHY          | PRECAMBRIAN |        |
| ROCK           | GLACIER     | EROSION   | LAKE                | DINOSAUR    | FOSSIL |
| RESERVOIR      | STREAM      | MOUNTAIN  | GEOLOGY             | SOIL        | BUTTE  |
| DAM            | FOREST      | CROPS     | COTEAU DES PRAIRIES |             |        |

Name \_\_\_\_\_

### Crossword Puzzle

Missouri River	climate	ice age	triceratops
Black Hills	badlands	highlands	glacial drift
grassland	mammoth	buffalo	sea



**Across**

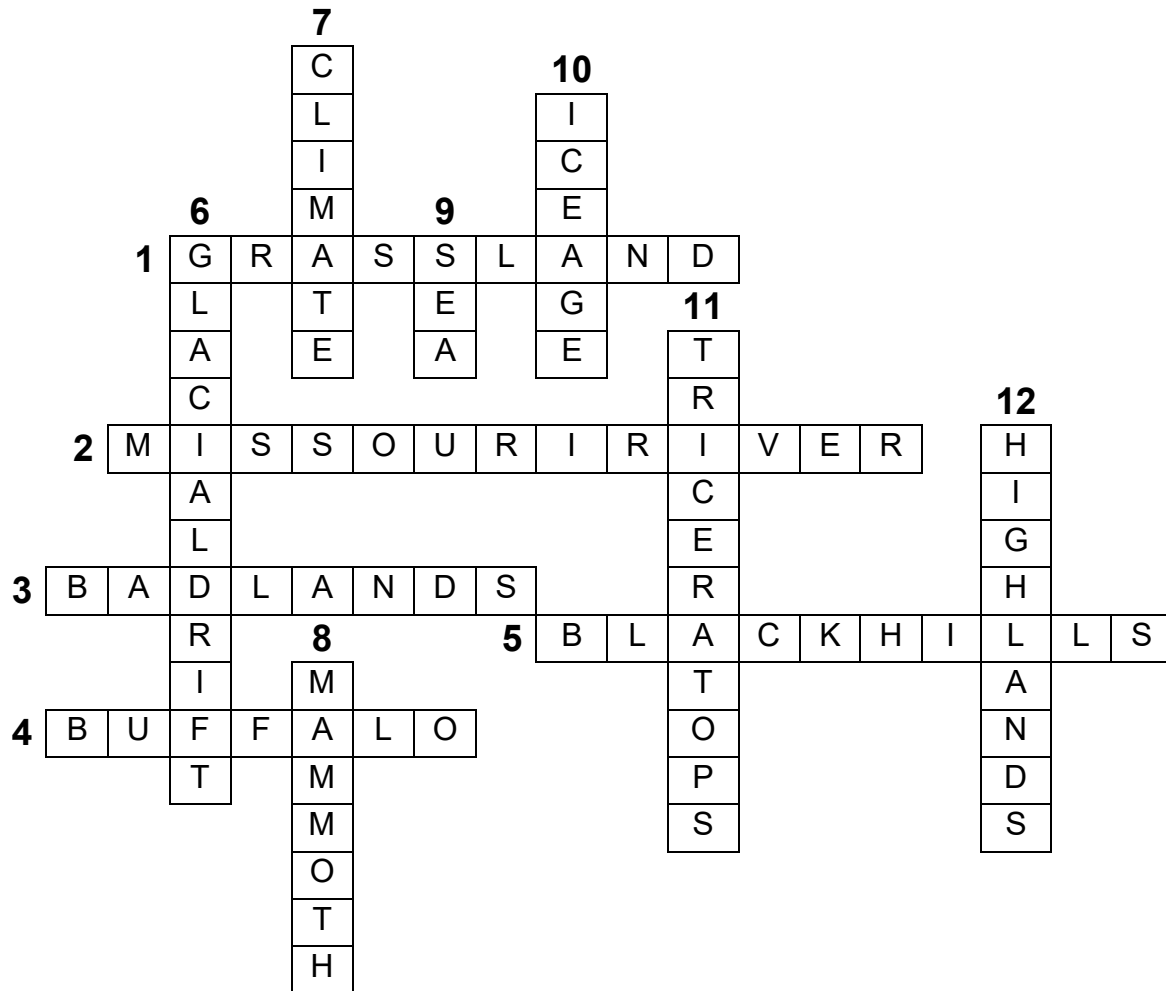
1. Much of South Dakota today is covered by a \_\_\_\_\_ environment.
2. Dams along the \_\_\_\_\_ provide hydroelectric power.
3. The strange formations of the \_\_\_\_\_ were formed by erosion.
4. Millions of \_\_\_\_\_ once roamed the Great Plains.
5. The \_\_\_\_\_ are the highest points in South Dakota.

**Down**

6. \_\_\_\_\_ forms the rich, deep soils of eastern South Dakota.
7. From tropical to icy, the \_\_\_\_\_ in South Dakota has changed many times.
8. The wooly \_\_\_\_\_ roamed the state during the Ice Age.
9. A warm inland \_\_\_\_\_ covered South Dakota during the Cretaceous Period.
10. Glaciers during the \_\_\_\_\_ covered the state as far as the Missouri River.
11. The three-horned \_\_\_\_\_ is South Dakota's state fossil.
12. The Coteau des Prairies is a \_\_\_\_\_ plateau along the Minnesota border.

### Crossword Puzzle Key

Missouri River	climate	ice age	triceratops
Black Hills	badlands	highlands	glacial drift
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Name \_\_\_\_\_

### River Word Scramble

Vermillion	Big Sioux	Bad	Grand
James	Belle Fourche	Missouri	
Moreau	White	Cheyenne	

1. This river forms the border between South Dakota and Iowa.

\_\_\_ 2 \_\_\_ 4 \_\_\_ \_\_\_ \_\_\_ \_\_\_ G B I X I U O S

2. The \_\_\_ River flows into the Missouri near the town with the same name.

\_\_\_ \_\_\_ \_\_\_ 1 \_\_\_ \_\_\_ \_\_\_ \_\_\_ L L E V M I N O I R

3. This river often floods in the spring as it flows south from Brown County.

\_\_\_ \_\_\_ \_\_\_ \_\_\_ 3 E M J A S

4. Lewis and Clark found grizzly bear tracks where the \_\_\_ River meets the Missouri.

\_\_\_ 5 \_\_\_ \_\_\_ \_\_\_ E M O U R A

5. Erosion from the \_\_\_ River formed the Badlands.

\_\_\_ \_\_\_ 8 \_\_\_ T E H W I

6. This river's name means "beautiful fork" in French.

\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ 6 \_\_\_ \_\_\_ \_\_\_ L E L E B H F U R O C E

7. The \_\_\_ River flows into the Missouri at Fort Pierre.

\_\_\_ \_\_\_ \_\_\_ D B A

8. The \_\_\_ River runs east across Corson County.

\_\_\_ 7 \_\_\_ \_\_\_ N A R D G

9. Angostura Dam is found on this river.

\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ N Y N E E H C E

Fill in the letters from the numbered spaces above to find the answer below.

10. The largest South Dakota river, its nickname was the Big Muddy.

1 2 3 4 5 6 7 8

### River Word Scramble Key

Vermillion	Big Sioux	Bad	Grand
James	Belle Fourche	Missouri	
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2. This river forms the border between South Dakota and Iowa.

B I G      S I O U X      G B I X I U O S  
2            4

2. The \_\_\_\_ River flows into the Missouri near the town with the same name.

V E R M I L L I O N      L L E V M I N O I R  
1

3. This river often floods in the spring as it flows south from Brown County.

J A M E S      E M J A S  
3

4. Lewis and Clark found grizzly bear tracks where the \_\_\_\_ River meets the Missouri.

M O R E A U      E M O U R A  
5

5. Erosion from the \_\_\_\_ River formed the Badlands.

W H I T E      T E H W I  
8

6. This river's name means "beautiful fork" in French.

B E L L E F O U R C H E      L E L E B H F U R O C E  
6

7. The \_\_\_\_ River flows into the Missouri at Fort Pierre.

B A D      D B A

8. The \_\_\_\_ River runs east across Corson County.

G R A N D      N A R D G  
7

9. Angostura Dam is found on this river.

C H E Y E N N E      N Y N E E H C E

Fill in the letters from the numbered spaces above to find the answer below.

10. The largest South Dakota river, its nickname is the Big Muddy.

M I S S O U R I  
1 2 3 4 5 6 7 8

## Where Do I Live?

### South Dakota Animals Over Time

**Objectives:**

- Participants will identify four animals that have lived, or currently live, in South Dakota.
- Participants will identify four different environments that have existed in the state.
- Participants will match each animal to its South Dakota environment.

**South Dakota English Language Arts Standards**

K	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>
K.SL.1a-b	1.SL.1a-c	2.SL.1a-c	3.SL.1b-d	4.SL.1b-d	5.SL.1b-d	6.SL.1b-d
K.SL.2	1.SL.2	2.SL.2	3.SL.6	4.SL.6	5.SL.6	6.SL.6
K.SL.3	1.SL.3	2.SL.3	3.L.3	4.L.3	5.L.3	6.L.3
K.SL.6	1.SL.6	2.SL.6				

**South Dakota Science Standards**

K	1st	2nd	3rd	4th	5th	6th
K-LS1-1		2-LS4-1	3-LS4-1 3-LS4-3			MS-LS4-1

**Timeframe:** 30-45 minutes

**Materials:**

Included in kit:

Environments A, B, C, D sheets  
 Where Do I Live? worksheet

Provided by instructor/participants:

Crayons  
 Scissors  
 Glue  
 Pencil

**Background Information:**

The environment of South Dakota has gone through many changes over time. The land has been covered by warm seas. At other times the landscape has been green and lush with tropical vegetation. Cold, snowy steppes and mountains have been a part of past environments. Today, grassy plains cover much of the state. Animals adapted to each of these environments and made South Dakota their home. In this activity, participants will identify four animals that once inhabited the state – or possibly still do! They will match each animal to its SD environment by cutting them out and gluing them to the appropriate environment coloring sheet.

**Activity Steps:**

1. Give each participant a copy of Environments A, B, C, and D coloring sheets and the *Where Do I Live?* worksheet with the four animals on it. Share the background information with the group.
2. Identify each of the four animals. Have participants draw a line from the animal's name to its picture on the worksheet.
  - Discuss similarities and differences between the animals. Consider:
    - Which animal looks like it lived underwater? How can you tell? (flippers on elasmosaurus)
    - What does the heavy wooly coat on the mammoth tell you about its environment? (it was cold)
    - Do the animals have ways of defending themselves? What are some of their defenses? (triceratops face horns, mammoth tusks, elasmosaurus teeth)

## South Dakota Environments

South Dakota State Historical Society Education Kit

- What did the animals eat? Were they plant eaters or meat eaters? (plant eaters – bison, mammoth, triceratops; meat eater – elasmosaurus)
- Do any of these animals still live in South Dakota today? (bison)

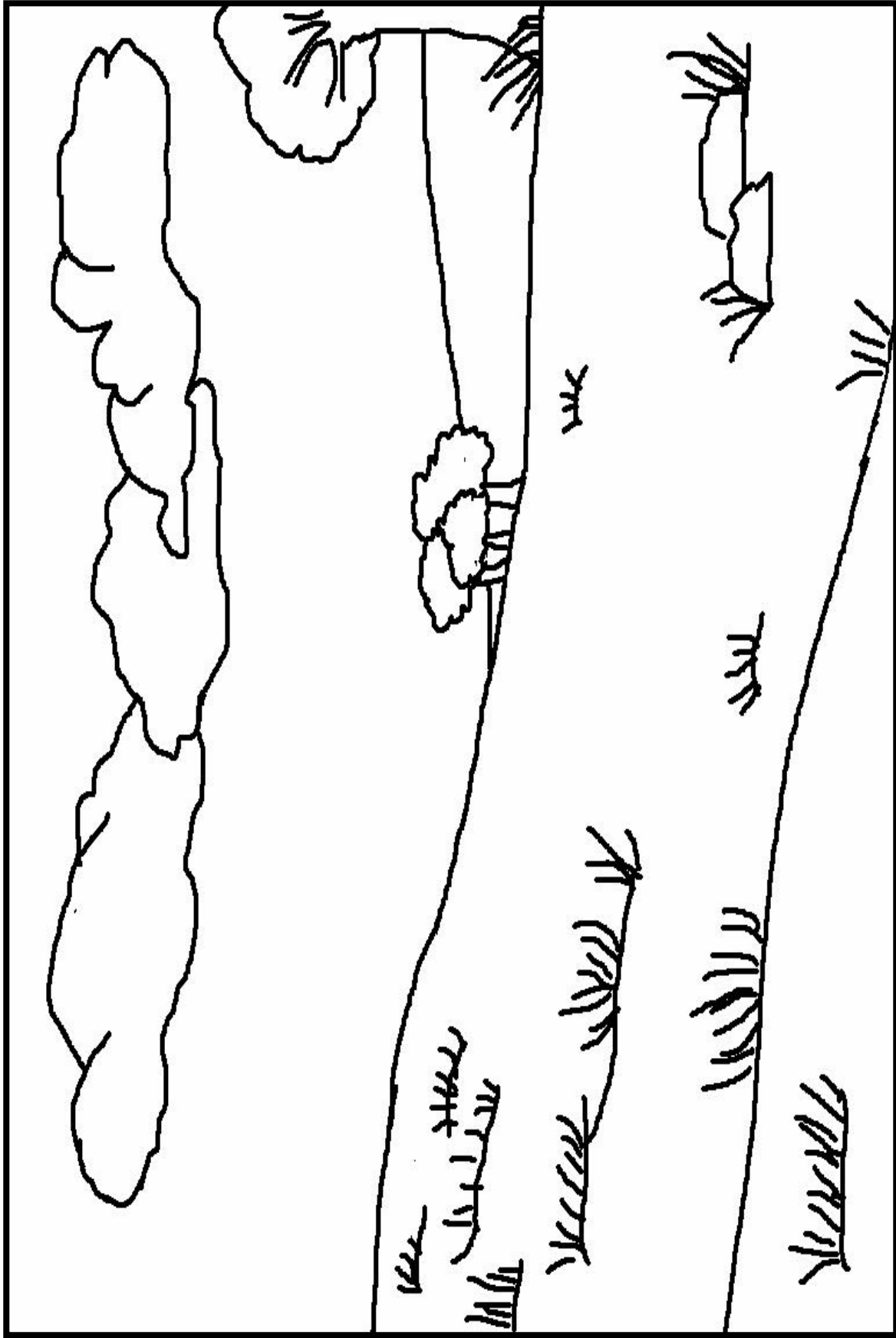
3. Look over the four Environments coloring sheets and discuss:

- Which environment looks like it is underwater? (Environment C)
- Which environment looks most like South Dakota today? (Environment A)
- One environment looks very jungle-like and tropical. Which one? (Environment D)
- A steppe is a grassland with a few scattered trees. Which environment looks most like this? (Environment B)

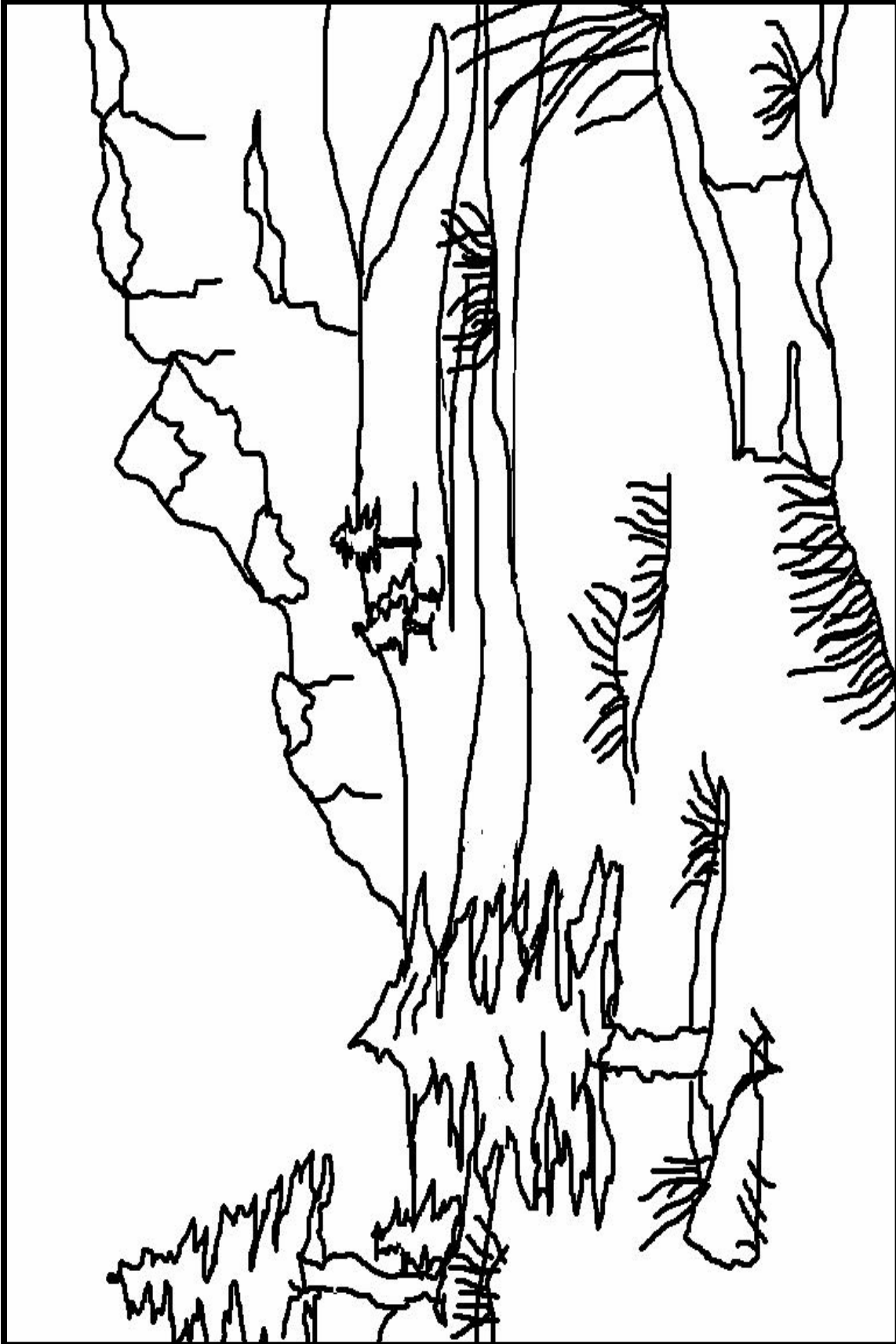
4. Have the participants color the four environment sheets, and the four animals on the worksheet.

5. Cut out the animals and glue them into their appropriate environment. (Bison – A, Mammoth – B, (Elasmosaurus – C, Triceratops – D)



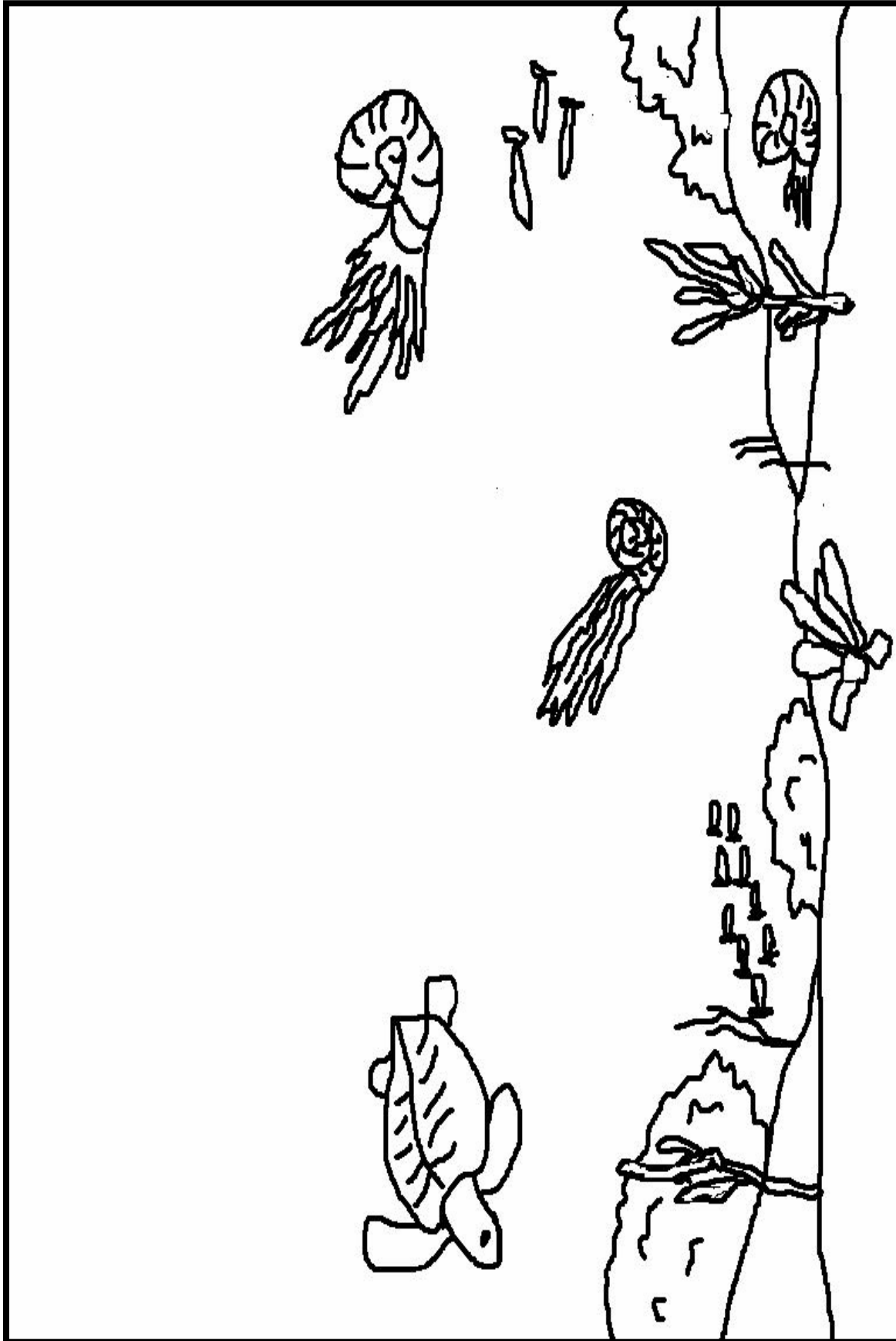


- Environment A
- Holocene Epoch (12,000 years ago – present)
  - Grass-covered prairie



Environment B

- Pleistocene Epoch or Ice Age (2.6 Million – 12, 000 years ago)
- Cold, snowy plains



Environment C

- Late Cretaceous Period (100 – 65 Million years ago)
- Warm, shallow sea



Environment D

- Late Cretaceous Period (100 – 65 Million years ago)
- Tropical forests

Name \_\_\_\_\_

**Where Do I Live?**  
South Dakota Animals Over Time  
Worksheet

**BISON**

**MAMMOTH**

**TRICERATOPS**

**ELASMOSAURUS**

