

Paul G. Pastorek, State Superintendent of Education
$\qquad$ \# $\qquad$

## Data Collection

| Fahrenheit |  |  |  |  |  |  |  | Celsius |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Start | $\underline{5}$ | $\underline{10}$ | $\underline{15}$ | $\underline{20}$ | $\underline{25}$ | $\underline{30}$ |  | Start | $\underline{5}$ | $\underline{10}$ | $\underline{15}$ | $\underline{20}$ | $\underline{25}$ | $\underline{30}$ |
| Cup 1 |  |  |  |  |  |  |  | Cup $1$ |  |  |  |  |  |  |  |
| Cup 2 |  |  |  |  |  |  |  | $\underset{2}{\text { Cup }}$ |  |  |  |  |  |  |  |
| Cup 3 |  |  |  |  |  |  |  | $\begin{array}{\|c} \text { Cup } \\ \hline \end{array}$ |  |  |  |  |  |  |  |

$\qquad$ \# $\qquad$

Fahrenheit (color in red) $\backslash$ Celsius (color in blue)

| $110^{\circ}$ |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $100^{\circ}$ |  |  |  |  |  |  |
| $90^{\circ}$ |  |  |  |  |  |  |
| $80^{\circ}$ |  |  |  |  |  |  |
| $70^{\circ}$ |  |  |  |  |  |  |
| $60^{\circ}$ |  |  |  |  |  |  |
| $50^{\circ}$ |  |  |  |  |  |  |
| $40^{\circ}$ |  |  |  |  |  |  |
| $30^{\circ}$ |  |  |  |  |  |  |
|  | 5 | 10 | 15 | 20 | 25 | 30 |

Elapsed Time in Minutes

Name $\qquad$ Date $\qquad$
Can you forecast or predict what the weather will be like tomorrow or the next day or the day after that? Read on to find out how this can be done.

Weather is not easy to predict. Over the next several days you will predict what the weather will be like and check your predictions with what the experts predict the weather will be like. So get ready for an exciting Weather Journey!

Day : $\qquad$
YOUR PREDICTION: Predict what the weather will be like for the next 3 days.

Temperature:
$\qquad$ Fahrenheit $\qquad$ Celsius

Condition (cloudy, rainy, sunny, windy, and so on):
Using Words: $\qquad$

## Draw a picture:

$\square$

Day: $\qquad$
EXPERT'S PREDICTION: Find the weather forecast for the next 3 days. You can get it from the Internet, TV, or a newspaper.

Temperature:
$\qquad$ Fahrenheit $\qquad$ Celsius

Condition (cloudy, rainy, sunny, windy, and so on):
Using Words: $\qquad$
Draw a picture:
$\square$

Day: $\qquad$
ACTUAL WEATHER: For each day of the week, fill in the actual weather conditions.

Temperature:
$\qquad$ Fahrenheit $\qquad$ Celsius

Condition (cloudy, rainy, sunny, windy, and so on): Using Words: $\qquad$

## Draw a picture:

$\square$

| GROUP NAMES |  |
| :--- | :--- |
|  |  |
|  |  |

What Are Things Made of?

| What Are Things Made of? |  |
| :--- | :---: |
| OBJECT <br> Draw or cut picture from magazine | What is it made of? |
| Example: |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |


| TALLY |  |
| :--- | :--- |
| wood |  |
| plastic |  |
| paper |  |
| metal |  |

## Unit 1, Activity 7, Science Investigations Guidelines

Directions:
Use these guidelines when recording data in your Science Learning Log. Make sure to write neatly and in complete sentences.

Your Experiment

- What are you trying to find out? What are you investigating? HINT: This is your testable question.
- What do you think will happen in your investigation (hypothesis)?
- What are you going to use (materials)? HINT: Drawing a picture might help.
- What are you going to do?
- What do you need to measure or look for? Think about how you will record (data) what you measure or what you see. HINT: You might find it useful to write your results in a table.
- What do you expect to happen? What do you think you will see? Why do you think this?


## Carrying out the Experiment

- What did you see? Was it what you expected? Can you see any patterns in what you saw or what you measured?
- What have you found out (conclusion)? Can you explain what you have found out?
- If you did the experiment again, would you do anything differently? Could you make it more accurate?


## Unit 1, Activity 7, Science Investigations Rubric

Name $\qquad$
Title of experiment or activity $\qquad$
Lab Partner(s) $\qquad$ , $\qquad$
$\qquad$

Lab Report Rubric

| Teacher | Criteria | Student |
| :---: | :---: | :---: |
| 1 point for each Total 5 | Clear and Appropriate Heading, Title, Problem, Testable Question, and Hypothesis | 1 point for each Total 5 |
| 5 points possible | All Materials listed | 5 points possible |
| 20 points possible (all labels should be in place, etc.) | Appropriate presentation of data and observations, including graph(s), chart(s), drawing(s), etc. | 20 points possible <br> (all labels should be in place, etc. |
| 15 points possible | Conclusion addresses problem and states knowledge gained. Answers all questions. | 15 points possible |
| 5 points possible | Overall neatness and grammar | 5 points possible |
|  | Total points earned from both sides $=\mathrm{Lab}$ Grade |  |

Grade earned $\qquad$

Teacher Comments: $\qquad$

## Unit 1, Activity 9, Floating and Sinking

## Will They Sink or Float?

1. Look at the container of objects in front of you. Which objects do you think will sink in water? Which do you think will float?
2. Divide the objects into 2 piles: a Sink Pile and a Float Pile. List the objects you put in each pile.

| Objects I think will Sink | Objects I think will Float |
| :---: | :---: |
|  |  |
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|  |  |

## Does It Sink?

1. Test each of the objects in your Sink Pile by filling the container with water. Record what happens on the chart below.

| Object | Prediction | Result |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

2. Were there any objects that were able to float or sink that surprised you?
$\qquad$
$\qquad$

## Does It Float?

1. Test each of the objects in your Float pile by putting them in the container of water. Record what happens on the chart below.

| Object | Prediction | Result |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

3. Were there any objects that were able to float or sink that surprised you?
$\qquad$
$\qquad$

Name $\qquad$
Directions: In the first vertical column labeled OBJECT, list the names of common objects, devices, etc. that produce energy. Place an $X$ in the box that corresponds to a type of energy that the item in the vertical column produces.

| OBJECT | HEAT | LIGHT | ELECTRICAL | MECHANICAL |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
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Unit 2, Activity 4, Reflector or Absorber of Heat

| Group Member Names |  |
| :--- | :--- |
|  |  |
|  |  |


| Temperature in Fahrenheit |  |  |  | Temperature in Celsius |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 10 <br> minutes | 20 <br> minutes | 30 <br> minutes |  |  | 10 <br> minutes | 20 <br> minutes |
| Light <br> colored <br> box |  |  | 30 <br> colored <br> box |  |  |  |  |
| Dark <br> colored <br> box |  |  |  | Dark <br> colored <br> box |  |  |  |

My prediction:

What color clothing would you want to wear on a hot, sunny day? Explain your choice.

What color clothing would you choose for a very cold, sunny day? Explain your choice.
$\qquad$
$\qquad$

| Group Member Names |  |
| :--- | :--- |
|  |  |
|  |  |

Solar Cooker Data Sheet

| Inside the Solar Cooker |  | Outside the Solar Cooker |  |
| :--- | :--- | :--- | :--- |
| Time | Observations: <br> words and pictures | Time | Observations: <br> words and pictures |
| $\mathbf{1 5}$ minutes |  |  |  |
|  |  |  |  |
|  |  |  |  |
| $\mathbf{3 0}$ minutes |  |  |  |
|  |  |  |  |
| 45 minutes |  |  |  |

Draw a picture below of a solar powered machine that you have invented. Write a short caption below the picture that describes your solar powered machine.
$\square$

| Group Member Names |  |
| :--- | :--- |
|  |  |
|  |  |

How well did your group work together? Circle the correct smiley face.


Hypothesis $\qquad$

Procedure $\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
MELTING TIME

| Material <br> Used | Why I chose this <br> material | Time <br> Began | Predict how long to <br> melt the ice | Actual <br> Melting Time |
| :--- | :--- | :--- | :--- | :--- |
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Unit 3, Activity 1, Moving Objects Data Sheet
Name $\qquad$

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Name $\qquad$
Directions: Use the following symbols to rate your understanding of each word with either a " + " (understand well), a " $\sqrt{ }$ " (limited understanding or unsure), a "-" (don't know). You may use the blank boxes to fill in with new vocabulary words you learned from Unit 1 that are not listed on this chart.

## Vocabulary Self-Awareness Chart

| Word | + | - | $V$ | Example <br> (using words \& pictures) | Definition |
| :--- | :--- | :--- | :--- | :--- | :--- |
| incline plane |  |  |  |  |  |
| push |  |  |  |  |  |
| pull |  |  |  |  |  |
| forces |  |  |  |  |  |
| friction |  |  |  |  |  |
| gravity |  |  |  |  |  |
| simple <br> machines |  |  |  |  |  |

## Unit 3, Activity 2, Tennis Ball Race Data Sheet

| Group Names |  |  |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |


| Trail \# | \# of Books | Distance Traveled <br> inches |  | Time |
| :--- | :--- | :--- | :--- | :--- |
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## Unit 3, Activity 3, Rolling Toy Race Data Sheet

| Group Names |  |  |
| :--- | :---: | :---: |
|  |  |  |
|  |  |  |

How well did your group work together? Circle the correct smiley face.


Trial \#


Blackline Masters, Science, Grade 3
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Comprehensive Curriculum, Revised 2008

## Friction Winners!

Rank materials from which one is best for slowing an object down to least effective for slowing an object down. Before ranking the materials, the data from the multiple trails will have to be averaged. That number will then be used to determine the winner.
$1^{\text {st }}$ Place $\qquad$
$2^{\text {nd }}$ Place $\qquad$
$3^{\text {rd }}$ Place
$4^{\text {th }}$ Place $\qquad$
$5^{\text {th }}$ Place

## Unit 3, Activities 4, Simple Machines Data Sheet

Name $\qquad$ Date $\qquad$
Center Number $\qquad$ Simple Machine used: $\qquad$
Answer the following questions using complete sentences.
Did you find the task at this center difficult WITHOUT using the simple machine? Why?

Was it easier to perform the task using the simple machine? Why?

Did the simple machine help you? YES or NO Explain:
$\qquad$
$\qquad$
Simple Machine Data Sheet
Name $\qquad$ Date $\qquad$
Center Number $\qquad$ Simple Machine used: $\qquad$
Answer the following questions using complete sentences.
Did you find the task at this center difficult WITHOUT using the simple machine? Why?

Was it easier to perform the task using the simple machine? Why?

Did the simple machine help you? YES or NO Explain:

Name $\qquad$
Directions: Use the following symbols to rate your understanding of each word with either a " + " (understand well), a " $\sqrt{ }$ " (limited understanding or unsure), a "-" (don't know). You may use the blank boxes to fill in with new vocabulary words you learned from Unit 4 that are not listed on this chart.

## Vocabulary Self-Awareness Chart

| Word | + | - | $V$ | Example <br> (using pictures) |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| igneous <br> rocks |  |  |  |  | Definition |
| sedimentary <br> rocks |  |  |  |  |  |
| metamorphic |  |  |  |  |  |
| rocks |  |  |  |  |  |

Unit 4, Activity 2, Types of Rocks

Name $\qquad$
Directions: Use rocks from your collection to complete the table below. Draw and color the picture of your rock.


## Unit 4, Activity 3, Rock Detective

Name $\qquad$
Place a check in the "agree box" if you agree with the statement. Place a check in the "disagree box" if you do not agree with the statement.

| AGREE | STATEMENT | DISAGREE |
| :--- | :--- | :--- |
|  | I will find igneous, sedimentary, and <br> metamorphic rocks in our school yard. |  |
|  | I will find only igneous rocks in our school <br> yard. |  |
|  | I will find only sedimentary rocks in our <br> school yard. |  |
|  | I will find only metamorphic rocks in our <br> school yard. |  |
|  | I will not find any rocks in our school yard. |  |
|  | I will not find lots of rocks in our school <br> yard. |  |

## Unit 4, Activity 5, Comparing Soils

Name $\qquad$
Directions: Use the chart below to record data about various types of soil. Remember to carefully examine the soil and look closely at the color and texture. Please note if there is any type of odor to the soil.

|  | Sand | Humus | Clay |
| :--- | :--- | :--- | :--- |
| color |  |  |  |
| texture <br> (gritty, soft, <br> etc.) |  |  |  |
| odor |  |  |  |

Use the Venn diagram below to compare the potting soil to the soil found near your school.


Name $\qquad$

Directions: Read each statement below. If you believe the statement is True, put an $X$ in the Agree column. If you believe it is False, put an $X$ in the Disagree column. After completing the activity, share your answers with the class.

| Agree | Statement | Disagree |
| :---: | :--- | :---: |
|  | We only need healthy food and <br> water to maintain a healthy body. |  |
|  | Shelter is not a basic need that <br> all animals have. |  |
|  | ALL animals have the same <br> basic needs. |  |
|  | We need to exercise regularly to <br> maintain a healthy body. |  |
|  | Most children need about 10 <br> hours of sleep every night. |  |

Name $\qquad$

Directions: Read each statement below. If you believe the statement is True, put an X in the Agree column. If you believe it is False, put an X in the Disagree column. After completing the activity, share your answers with the class.

| Agree | Statement | Disagree |
| :---: | :--- | :---: |
|  | We only need healthy food and <br> water to maintain a healthy body. | X |
|  | Shelter is not a basic need that <br> all animals have. | X |
| X | ALL animals have the same <br> basic needs. |  |
| X | We need to exercise regularly to <br> maintain a healthy body. |  |
| X | Most children need about 10 <br> hours of sleep every night. |  |

## Unit 5, Activity 1, Sleep Chart

Name $\qquad$
A. Keep track of the amount of sleep you get for one whole week.

|  | Sun. | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :---: |
| Time I <br> went to <br> sleep (p.m.) |  |  |  |  |  |  |  |
| Time I <br> woke up <br> (a.m.) |  |  |  |  |  |  |  |
| Number of <br> hours I <br> slept |  |  |  |  |  |  |  |

B. Answer the following questions about your sleep record.

1. On which night did you get the most sleep? $\qquad$
2. On which night did you get the least sleep? $\qquad$
3. Did the amount of sleep you got affect the way you felt the next day?

For example, did you feel grumpy, tried, or energetic? Explain your answer.
$\qquad$
$\qquad$
4. Do you find it easy or difficult to get enough sleep? Why do you think this is so?
$\qquad$
$\qquad$

Name $\qquad$
Directions: Fill in the chart with the food that you eat for the next seven days. Under the Food Groups' column, write the food group and how many servings of food you had from that group for the whole day. For example, if you had 3 glasses of milk in 1 day and 1 serving of ice cream, you would write milk group and put 4 tally marks under milk. If you do not have enough space on this chart, you may draw another chart on a separate sheet of paper.

| FOOD JOURNAL |  |  | Snacks | Food <br> Groups |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| DAY | Breakfast | Lunch | Dinner |  |  |
| Mon. |  |  |  |  |  |
| Tues. |  |  |  |  |  |
| Wed. |  |  |  |  |  |
| Thurs. |  |  |  |  |  |
| Fri. |  |  |  |  |  |
| Sat. |  |  |  |  |  |
| Sun. |  |  |  |  |  |

Unit 5, Activity 2, Food Label Scavenger Hunt Chart

Name $\qquad$

Find a food that has .... Write the name of the food on the blank line.

- 0 grams of total fat $\qquad$
- sugar is the first ingredient $\qquad$
- 100 calories or less $\qquad$
- at least $5 \%$ of the recommended daily allowance of vitamin C
- over 250 milligrams of sodium $\qquad$
- 10 milligrams or less of cholesterol $\qquad$
- 30 grams or less of total carbohydrate $\qquad$
- more than 15 grams of total fat $\qquad$
- more than $2 \%$ of the recommended daily allowance of iron $\qquad$

Name $\qquad$

Steps to Digestion
Nutrients enter the bloodstream through the lining of the small intestine.

The small intestine takes the thick liquid and absorbs the nutrients through its lining.

The large intestine absorbs water and passes on the unused parts.

The esophagus in your throat pushes the food down to your stomach.

Then, the large intestine takes over.

Your stomach mixes the food with acid until the food is a thick liquid.

You grind the food in your mouth and mix it with your saliva.

## Nutrients enter the bloodstream through the small intestine's lining. (5)

The small intestine takes the thick liquid and absorbs the nutrients through its lining. (4)

The large intestine absorbs water and passes on the unused parts. (6)

The esophagus in your throat pushes the food down to your stomach. (2)

Then, the large intestine takes over (7)

Your stomach mixes the food with acid until the food is a thick liquid. (3)

You grind the food in your mouth and mix it with your saliva. (1)

## Digestive System



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## Name the Bones



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- cranium - skull
- mandible-jaw bone
- humerus - arm bone
- vertebrae - backbone
- rib cage - ribs
- pelvis - hipbone
- femur - thighbone
- patella - kneecap
- metatarsals - foot bones


## Unit 5, Activity 4, Skeletal System Outline

Name $\qquad$
Complete information needed for this outline with information about the skeletal system learned in class.

The 5 Functions of the Skeletal System
I. Structure and Support
II. Protection of Vital Organs
$\qquad$
$\qquad$
$\qquad$
$\qquad$
III. Storage of Fat and Calcium
$\qquad$
$\qquad$
IV. Production of Red Blood Cells
$\qquad$
$\qquad$
$\qquad$
$\qquad$
V. Providing Leverage for Movement
$\qquad$
$\qquad$
$\qquad$
$\qquad$

The 5 Functions of the Skeletal System

- Structure and support - spinal column helps us stand tall
- Protection of vital organs:

The bones in the top of my skull protect my brain. The bones in the rib cage protect the heart and lungs. The bones in the backbone protect the nerves inside.

- Storage of fat and calcium - Minerals, like calcium are needed for strong bones.
- Production of red blood cells - Many bones have red blood cells inside them that make new blood for the body. Some bones also store minerals that help make the body work.
- Providing leverage of movement - Bones cannot bend. Therefore, the joints in the body help the body to bend, turn, and twist. The area where bones come together is called a joint. Like strong rubber bands, ligaments hold the bones together. See the Ball and Socket and Hinge Diagram BLM


Name $\qquad$

- Mammals - have fur or hair, use lungs to breathe, give birth to live young, and feed its young with milk Examples - humans, dogs, cats
- Reptiles - covered with scales, lay eggs on land and breathe with lungs, Examples - snakes, turtles, lizards
- Amphibians - begin life in the water and move onto land as adults;
lay eggs in water
Examples - frogs, salamanders
- Insects - a major group of arthropods; have segmented body parts (head, thorax, abdomen) supported by an inside skeleton (exoskeleton)
Examples - ants, ladybugs, dragonflies
- Arthropods - include insects, crustaceans; have segmented body with appendages on each segment; all arthropods are covered by a hard outside skeleton (exoskeleton).
Examples - spiders, crabs, crawfish
- Birds - have feathers, two legs, and wings

Examples - sparrows, hawks, eagles

## Lightness or Darkness?

1. Cover half of the shoebox with foil.
2. Place the worm in the box just below the edge of the foil. Wait a few minutes.
3. Where does the worm go?

## Wet or Dry?

1. Cover half of the shoebox with a wet paper towel.
2. Place the worm in the box, on the edge of the paper towel. Put the lid on the box. Wait a few minutes.
3. Where does the worm go?

> Finding Food

1. Put the worm on one side of the box. Put a small amount of apple peelings, banana peels, and apple core on the other side of the box. Wait several minutes and watch what the worm does.
2. Draw a path that the worm took in the box.
3. Did the worm find the food?

Other potential investigative topics could focus on the worm's response to temperature (hot and cold), to acid (dilute vinegar water), preference to sand or soil, etc.

## Unit 6, Activity 1, Shadows Data Sheet

Name $\qquad$

| Time | Month | How long is your shadow? | Where is the Sun in the sky? <br> Remember, to NEVER look <br> directly at the Sun. |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

When was your shadow the longest? $\qquad$
When was your shadow the shortest? $\qquad$

Name $\qquad$ Date $\qquad$

Name of Planet $\qquad$
Where is it located in the Solar System with respect to the other planets? For example, is it the $1^{\text {st }}, 2^{\text {nd }}$, etc, planet in the Solar System?

Diameter (how big around) of planet:
$\qquad$
Length of rotation ("day")

Distance from the Sun

Describe what the planet looks like.

List 2 interesting facts that you learned about this planet:

1. $\qquad$
$\qquad$
$\qquad$
2. $\qquad$
$\qquad$
$\qquad$

Name $\qquad$
List living and non-living components observed during your backyard walk.

| Living Components | Non-living Components |
| :--- | :--- |
|  |  |
|  |  |
|  |  |
|  |  |

Write a paragraph explaining how components of an ecosystem depend on each other, using information learned in this activity. Explain negative and positive changes that take place when humans change the environment. Use complete sentences, capitalize, and punctuate where necessary.
$\qquad$
$\qquad$
$\qquad$

On the back of this page, draw an area around your home. The drawing should include animal and plant life such as bugs, trees, etc. Write a paragraph telling how the animal and plant life coexist.

Name $\qquad$
List living and non-living components observed in your backyard walk, the terrarium, and the aquarium.

| Terrarium |  |  |
| :---: | :---: | :---: |
| Object | Living | Non-Living |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Aquarium |  |  |
| Object | Living | Non-Living |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Backyard |  |  |
| Object | Living | Non-Living |
|  |  |  |
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## Unit 7, Activity 3, Renewable and Nonrenewable Resources Data Sheet

Name $\qquad$
Vocabulary:

1. A renewable resource is a natural resource that can be replaced by natural processes over time.
2. A nonrenewable resource is a natural resource that can never be replaced once it is used. The supply is limited.

Directions:

1. Fill in the chart by listing resources in the first column.
2. Put an $\mathbf{X}$ in either the "renewable" or "nonrenewable" column for each item.
3. In the last column, write why you think the resource is renewable or nonrenewable.

| Resource | Renewable | Nonrenewable | Reason |
| :--- | :--- | :--- | :--- |
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## THE RESOURCEFUL REPORTER

## EXTRA! EXTRA! READ ALL ABOUT IT! RENEWABLE vs. NONRENEWABLE RESOURCES

Reporter: $\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Group Members $\qquad$

| Criteria | 0 | 1 | 2 | 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Written Facts |  |  |  |  |  |
| Report includes answers to these questions about the animal: <br> - Why were they once considered endangered? <br> - What was done that caused them to recover? |  |  |  |  | x2 |
| Report content is accurate and complete with factual information (habitat, life span, physical characteristics, population, movement, migration, family life and offspring, eating habits). |  |  |  |  | x3 |
| Correct mechanics: Complete sentences, capitalization, punctuation, etc. |  |  |  |  | x2 |
| Resources are cited |  |  |  |  | x 2 |
| Animal Picture and Map |  |  |  |  |  |
| Picture is complete, neat, and colored to resemble the actual animal. |  |  |  |  | x 2 |
| The background depicts the animal's real habitat. |  |  |  |  | x2 |
| Louisiana map is drawn and area where the animal lives is identified. |  |  |  |  | x 2 |
| Oral Presentation |  |  |  |  |  |
| Students discuss the following: <br> - Three facts about the animal <br> - Why they were once considered endangered <br> - What was done that caused them to recover |  |  |  |  | x3 |
| Clear voice and eye contact is made with the audience during presentation. |  |  |  |  | x2 |
| Total |  |  |  |  |  |

## Unit 8, Activity 2, Weather Instruments Data Sheet

Name $\qquad$
Rain Gauge Data

|  |  | Amount of Precipitation |  |
| :--- | :--- | :--- | :--- |
| Date | Day | Inches | Centimeters |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Wind Vane Data

| Date | Day | Prediction of wind direction by <br> observing surroundings such as <br> trees, bushes, etc. | Actual wind <br> direction |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Unit 8, Activity 2, Weather Instruments Data Sheet (continued)

## Wind Sock Data

Use the information from the Wind Scale Table below to record observations you made about the wind speed.

| Date | Day | Estimation of wind speed |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |


| Wind Scale |  |  |  |
| :--- | :--- | :--- | :--- |
| Speed (km/h) | Description | Objects Affected | Windsock Position |
| 0 | No breeze | No movement of wind | Sock hangs down |
| $6-19$ | Light breeze | Leaves rustle, wind vanes <br> move, wind felt on face | Sock blows slightly |
| $20-38$ | Moderate breeze | Dust and paper blow, small <br> branches sway | Sock extended 2/3 of <br> way |
| $39-49$ | Strong breeze | Umbrellas hard to stay open, <br> large branches sway | Sock straight out |

