

Completed (40 possible) \_\_\_\_\_  
 Accuracy of answers (30 possible) \_\_\_\_\_  
 Appropriate grammar (15 possible) \_\_\_\_\_  
 Neatness of record (15 possible) \_\_\_\_\_  
 Total \_\_\_\_\_

A = 86-100 points  
 B = 71-85 points  
 C = 70 points or less



# 4-H Weather & Climate Science

## Beginner (Grades 3-5)

### Record Sheet

Record for Year \_\_\_\_\_

A completed record sheet is due by the last business day of May to exhibit each project at the fair.  
 Use any 4-H publications, the internet, the library, or a professional to help you prepare your responses.

### The Basics

Name \_\_\_\_\_ 4-H Club \_\_\_\_\_

Years in 4-H \_\_\_\_\_ Grade \_\_\_\_\_ Years in Project \_\_\_\_\_

### At the Surface

What is the difference between weather and climate? \_\_\_\_\_  
 \_\_\_\_\_

Name four types of precipitation.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Think about the climates below and circle the best answers that correspond to the stereotypical temperature and precipitation.

Climate	Average Temperature			Precipitation		
Temperate (ie. central Indiana)	Hot	Mild	Cold	High (Wet)	Moderate	Low (Dry)
Desert (ie. central Arizona)	Hot	Mild	Cold	High (Wet)	Moderate	Low (Dry)
Tropical (ie. southern Florida)	Hot	Mild	Cold	High (Wet)	Moderate	Low (Dry)

Draw a diagram of the water cycle in the box below.

## Soaking It In

The United States Department of Agriculture publishes a Hardiness Zone Map to help farmers and gardeners know when it is safe to plant their crops and when they should harvest their crops in the fall prior to freezing temperatures. What is the hardiness zone where you live? \_\_\_\_\_

What happens to warm air (circle one)? IT RISES IT SINKS

What happens to cold air (circle one)? IT RISES IT SINKS

What is an example of severe weather that the following states might experience during the given time of year?

- Oklahoma in May: \_\_\_\_\_
- Florida in September: \_\_\_\_\_
- Minnesota in February: \_\_\_\_\_

## Watching the Weather

Name three places in which you could access a daily weather report for our community.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Visit [www.weather.gov](http://www.weather.gov) and record today's weather. Simply enter your zip code and record the results below.

Zip Code You Entered	Today's Date	Where were the conditions recorded? (ie. Indianapolis International Airport)	Temperature	Humidity	Wind Speed
			___ °F / ___ °C	%	mph

## Forecasting

Provide a brief description of your 4-H exhibit or plan for your exhibit.

\_\_\_\_\_  
\_\_\_\_\_

What is one thing you learned or sparked your interest as a result of completing this project? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

In what way does this project apply to your life, or why is this subject matter important to you? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_