



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 Intermediate (Grades 6-8) 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

List five weather instruments and describe what they measure.

- _____
- _____
- _____
- _____
- _____

What is barometric pressure? _____

When a high pressure system moves in to the Midwest, which does it bring?

- Cooler temperatures and sunny skies OR
- Relatively warmer temperatures and precipitation

When a low pressure system moves in to the Midwest, which does it bring?

- Cooler temperatures and sunny skies OR
- Relatively warmer temperatures and precipitation

Soaking It In

Describe the three types of weather alerts below and what they mean for residents of a community.

Weather Alert	What it means, and implications for community residents
Storm Advisory	
Storm Watch	
Storm Warning	

What compound do fossil fuels add to the earth's atmosphere? _____

What is a carbon footprint? _____

Name three ways you could reduce your carbon footprint.

1. _____
2. _____
3. _____

Using the cloud types below, place the cloud type in the appropriate category/column in the table below.

Altostratus	Cirrocumulus	Cirrostratus	Cirrus
Altostratus	Cumulonimbus	Cumulus	Nimbostratus
Stratocumulus	Stratus		

High-Level Clouds	Mid-Level Clouds	Low-Level Clouds

Describe the Greenhouse Effect. _____

Watching the Weather

Visit 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)	Humidity	Barometric Reading	Dewpoint
			%	in	____°F / ____°C

What is the difference between a dry-bulb temperature reading and a wet-bulb temperature reading? What do these instruments tell us about the current weather conditions on a given day? _____

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? _____
