

Fold Here

WEATHER INVESTIGATION:

3-5 Instruction Guide



This activity will focus on weather! Checking the weather is probably a part of your family's day. It helps you decide what clothes to wear, what shoes to put on, and what to expect when you go outside.

So, what is **weather**? Weather is the condition of the air at a particular time and place. Weather includes things like the wind, sun, and water, which is called **precipitation** when it falls from clouds. When weather changes for a long period of time in a predictable way, we get **seasons**. Weather affects many parts of nature. Lots of animals can only live in certain places because of weather. Some flowers are only seen during certain times of year because of the weather. And both plants and animals have ways of changing, or **adapting**, when the weather is different from what they expect.

Predicting weather is a science called **meteorology**. Meteorologists use clues to predict weather and one of the ways they do this is by observing clouds. Different clouds mean different things about the weather. For example, if clouds are dark and tall like mountains, it might mean a storm is on the way. If clouds are white and puffy, it probably means the weather will be nice for a while.



Dark, Storm Clouds



White, Puffy Clouds

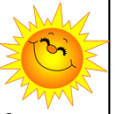
And if clouds are long and thin, they're probably high up in the sky and this tell us the weather is going to change soon.



Fold this sheet in half along the dotted line, grab a pencil, and head outside to make some observations about today!

WEATHER INVESTIGATION 3-5

Match these weather words to their definition. Look back at your instruction sheet if you need help.



Meteorologist

When weather changes over a long time in a predictable way



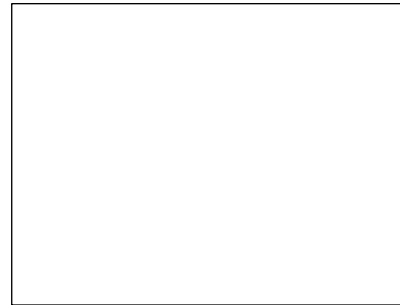
Precipitation

A scientist who studies weather

Seasons

Water falling from clouds

Draw a picture of the sky in the box below.



What color are the clouds?

Are they close or far away?

Describe how else they look:

Because the clouds are _____ today, I predict the weather tomorrow will be _____.

In the chart below, record how the temperature feels (hot, cold, warm) and how the clouds look each day this week.

| <u>Monday</u> | <u>Tuesday</u> | <u>Wednesday</u> | <u>Thursday</u> | <u>Friday</u> |
|---------------|----------------|------------------|-----------------|---------------|
| | | | | |



Did the weather change a lot over the week?