

# POP! TEACHER RESOURCE

## Lesson Plan

### Cloud Types

Lesson Plan for *What Are Clouds Made Of?*

Grade 1

#### Objective

To help students understand the different types of clouds and the weather that each type brings.

#### Things Needed

- *What Are Clouds Made Of?* book
- Access to the “What Are Clouds Made Of?” web page on the Pop! website:  
<http://popbooksonline.com/science-questions/clouds-made-of>
- One copy of the “Cloud Layers” activity (attached) for each student

#### Before the Activity

Open the “What Are Clouds Made Of?” web page in your internet browser and pull up the “Learn More” tab. Print out enough copies of the “Cloud Layers” activity so that each student can have a copy. Read *What Are Clouds Made Of?* out loud to students.

#### Activity

Open the book to page 4. Use the following prompts:

- Which clouds mean fair weather? (Answer: white, fluffy clouds)
- Which clouds bring rain or snow? (Answer: large gray clouds)

Then, read the caption and look at the picture on the “Learn More” web page. Ask students the following questions:

- What type of weather do high cirrus clouds mean? (Answer: good weather)
- What type of weather do tall cumulonimbus clouds mean? (Answer: storms)



Point out the three main types of clouds in the image and briefly explain what they look like and what kind of weather they bring:

- Cumulus clouds are white and fluffy. They bring fair weather. They are often fairly low to the ground.
- Stratus clouds are gray clouds that cover the sky like a blanket. They often bring light rain or mist. They are low to the ground.
- Cirrus clouds are white and wispy. The wind blows them and makes them look like a horse's tail. They usually bring fair weather. They are high in the sky.

Explain that the three main types of clouds (cumulus, stratus, and cirrus) can combine to form other kinds of clouds (cirrocumulus, altocumulus, stratocumulus, altostratus, etc.).

Hand out the "Cloud Layers" activity to the students. Have students fill out the activity sheet to find which clouds appear in which part of the sky.

### **Evaluation**

Use the answer key on the activity sheet to evaluate students' answers. Could students answer the questions about different clouds and the weather each brings?

### **Standards**

This lesson plan may be used to address the National Science Education Standards' Content Standard D, grades K–4, and the Common Core State Standards' reading standards for informational texts, grade 1 (RI 1.1).



# WHAT ARE CLOUDS MADE OF?

## Cloud Layers

Clouds are grouped by their height in the sky. Match each cloud to the layer of the sky where it belongs. Some clouds may go in more than one layer.

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