

# Cloud Booklet

Follow each step and check it off as you go. ***Steps in bold italics indicate needed materials.***

\_\_\_1) ***You will need 2 pieces of blue paper.*** Take your two pieces of paper and fold them in half, hamburger style. Use \*TWO\* staples to create the binding of your book – **DO NOT BREAK MS. GASPER’S STAPLER!!**

\_\_\_2) Label each page like the squares below, including the page numbers.

<p><b>Front</b></p> <p>My Cloud Booklet</p> <p>By: _____1</p>	<p><b>Back</b></p> <p>How do clouds form?</p> <p>1) 2) 3)</p> <p>How are clouds classified?</p> <p><b>Dew point -</b> <b>Altitude -</b> 2</p>
<p><b>Front</b></p> <p>Types of Clouds</p> <p>3</p>	<p><b>Back</b></p> <p>Cloud 1: Cirrus</p> <p>Characteristics: 4</p>
<p><b>Front</b></p> <p>Cloud 2: Cumulus</p> <p>Characteristics: 5</p>	<p><b>Back</b></p> <p>Cloud 3: Stratus</p> <p>Characteristics: 6</p>
<p><b>Front</b></p> <p>Cloud 4: _____</p> <p>Characteristics:</p> <p>Cloud 5: _____</p> <p>Characteristics: 7</p>	<p><b>Back</b></p> <p>About the Author:</p> <p>What is your favorite cloud and why? 8</p>

\_\_\_3) For page 1: Fill in your name. You will choose a magazine picture for your cover at the END.

\_\_\_4) For page 2: Fill in the information about ‘How do clouds form?’ and ‘How are clouds classified?’ based on what you read in the textbook. To find this information look at Figure 15 on page 109 in the textbook and the bold sentence on page 110. Also include the definitions for “dew point” and “altitude” at the bottom of this page – you can use the glossary.

\_\_\_5) For page 3: ***You will need a white crayon or colored pencil.*** On page 111, there is a picture of all the clouds. Use your white crayon or colored pencil to make the clouds. Use your pencil to label them. This should be a scale drawing, where clouds that are located high in the sky are at the top of your paper, and clouds that are close to the ground are at the bottom of your paper.

\_\_\_6) For pages 4, 5, and 6: Before you make each cloud you will need to read on page 110-112 to fill in information about that cloud type. For the **characteristics** you should include a definition, where they form, what the name means, what type of weather is associated with the cloud type, and anything else you think is important. After you have filled in this information, you may see Ms. Gasper to get your cotton balls.

**You will need 2-3 cotton balls and liquid glue or a glue stick.** To help you learn where the clouds are in the atmosphere and what they look like, you can use cotton balls to create a replica of the sky. On the labeled blue pages, you are going to make a model of the correct clouds out of cotton balls. You will need 2-3 cotton balls (this is enough for all 3 clouds!!) and liquid glue. You are going to tear the cotton balls to make the type of cloud you are working on. **You will only need a thin layer of glue – use your finger to spread out the glue! OR USE A GLUE STICK!**

- **CIRRUS clouds:** pull cotton balls apart into long, wispy parts. They are at the top of the atmosphere (top of the page), and are farther apart from each other.
- **CUMULUS clouds:** these clouds look like big fluffy cotton balls, so you will need to pull apart your cotton ball and roll it into smaller balls and glue them together in a mass. These should be glued on the Cumulus page, but below the level you glued the cirrus clouds.
- **STRATUS clouds:** These clouds look like a blanket around the atmosphere. You should stretch out the cotton balls, but not pull them completely apart. Make a layer near the Earth (lowest type of cloud), and color the cotton balls gray.

\_\_\_7) For page 7: Choose any two of the clouds you didn't make on page 111 and try to make those with cotton balls. You may use leftover cotton balls and get one additional cotton ball. Label the clouds you chose and write one fact about them for the **characteristics**.

\_\_\_8) For page 8: Write four facts about yourself – traditionally this is done in 3<sup>rd</sup> person, using your name instead of "I". Answer the question about what is your favorite cloud and why. This page should be written in complete sentences.

\_\_\_9) Go back to page 1: Find a picture in a magazine with clouds in it and paste it to the front page under the title My Cloud Booklet.

\_\_\_10) Let the glue dry before you put your book away.

\_\_\_11) Clean up your area and put your stuff away.