



Name: _____

Fundamentals of Earth Science: **Week 16 HOMEWORK CHECKLIST**

3rd & 4th Grade

Due on January 26th

_____ **(2 points) Read Lessons 13: Clouds**

These lesson pages were handed out in class and should be in your binder. Read the lesson or have a parent read them to you. When you are done reading, put the lesson sheets behind the lesson tab in your binder. **Note: It is best to break up the reading over two days.**

_____ **(2 points) Reinforcement and Review: Clouds**

****What are Clouds Made of? (SciShowKids):** <https://www.youtube.com/watch?v=DigBbR3FeP8&list=PLjP8tUIPjYHd4lYkDc54G5M4TnJobLAaK&index=14&t=0s>

All About Clouds (Free School): <https://www.youtube.com/watch?v=QAqeFSa60TE>

_____ **(1 point) Cloud Snack (Read Before Eating!)**

Before you are allowed to eat your cloud snack, read the story attached and then share the cloud story with someone, teaching them how clouds are formed. Who did you share the story with? _____

_____ **(1 point) Man Who Named the Clouds—Luke Howard**

Watch the following video, then add ONE interesting fact you learned about Luke Howard in the space provided at the top of page 77 in your lab notebook.

How Did Clouds Get Their Names?: <https://www.youtube.com/watch?v=UuW1jhxGgx0>

_____ **(1 point) Add your Snowflake Bentley** page you created last week to page 82 of your lab notebook. Also, check out the snowflake shapes chart on page 83.

_____ **(1 point) My Clouds Flip Book on Page 78 of lab notebook (Completion grade)**

This was started in class. Fill in any unanswered questions and use the stapled set of cut outs handed out in class to paste into the appropriate boxes. Answers are found in the reading lesson. Add at least **ONE** of your favorite cloud facts on the last page of the flip book.

_____ **(2 points) Reinforcement and Review: Precipitation**

Common Types of Precipitation: <https://www.youtube.com/watch?v=Q6Q0-kRxGTY>

What is a Hailstorm? AND other Precipitation: <https://www.youtube.com/watch?v=1701cmpi69g>

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_____ **(1 point) Surviving a Cumulonimbus Cloud- William H. Rankin**

Watch the following video, then using the clipart page you were given in class, **cut out** the pieces and create a page in your lab notebook on PAGE 79 describing what William H. Rankin experienced as he fell through a cumulonimbus cloud. **3rd graders need to include two facts and 4th graders need to include three facts.** DO NOT just paste the whole clipart page to the lab notebook! Also, answer the question on how long it took for him to fall through the cloud. You may add drawings or printouts of your own if you wish.

Survival Story of William Rankin: <https://www.youtube.com/watch?v=LfcbYMK5k0>

_____ **(2 points) Making Weather Instruments to Measure Humidity and Precipitation**

_____ **Make a Hygrometer:** Using the materials given to you in class, use the link below to follow the instructions to make a hygrometer. You will need to find your own base. **Text me a picture of your finished hygrometer and watch it throughout the week to see if it moves.** Did it move? _____

Measuring Water in the Air-Humidity (funsclencedemos): <https://www.youtube.com/watch?v=G8QtVcu2QE>

_____ **Set Up Your Rain Gauge:** A finished rain gauge and bag of gravel were handed out in class. At home, empty the bag of gravel into the bottom of the rain gauge. You will then need to add just enough water to the rain gauge to meet the long red line drawn on the side. You may add a drop of food coloring if you want to make the water easier to see. Put your rain gauge outside in an area where it will not get knocked over but will also be able to freely catch the rain without interference. The black marks on the side of your rain gauge are not a specific measurement since it was too time consuming to mark on the bumpy surface, BUT it will give you an idea of how a rain gauge works and give you a non-standard measurement of the rainfall based on how many lines the water level moved up. Did it rain this week? If so, how many lines did your water level move up? _____

_____ **EXTRA CREDIT OPPORTUNITY (2 points added to homework checklist points):**

There are a list of extra, optional videos on the class summary page. Pick two extra videos to watch on clouds or precipitation. Record which ones you watched for the points.

Parent Signature: _____

Homework Completion Grade _____/13 points