

Name _____

Date _____

Weatherworks Activities

Parents: The activities below require your student to conduct some experiments listed in the Weatherworks book. In order to access the book, students need to log into Benchmark Universe through **Clever**. Please look over the experiments and give guidance to your child as they conduct each experiment.

Students: Read pages 1-5. Conduct the experiment on page 5. As you conduct the experiment, answer the questions listed in Steps 1 and 2. Record your answers below. **Please write clearly.**

1. How does your hand feel when your hand is 3 inches below the lamp and your palm side is facing down (see step 1)?

2. How does your hand feel when your hand is 3 inches below and pulled 5 inches away from the lamp (see step 2)?

3. Why does your hand feel differently in each position?

4. Using the knowledge you learned in this experiment, explain why there are different temperatures in different countries around the world.

Students: Read pages 6-10. Conduct the experiment on page 10. As you conduct the experiment, answer the questions listed in step 5. Record your answers below. **Please write clearly.**

5. What do you notice when you balance the hanger on your finger?

6. What does this experiment tell you about the bag filled with air compared to the empty bag?

7. On page 10, what does the phrase “air pressure” mean?

Students: Read pages 12-13. Conduct the experiment. As you conduct the experiment, answer the questions listed in step 3. Record your answer below. **Please write clearly.**

8. Why does the water stay in the glass? Use your knowledge of air pressure to answer the question.

Parents and students: After completing the experiments and these pages, send them back to your teacher using any of the following methods:

You can type the answers on a word document and send to me as an attachment through email or screenshot your answers and send it through your phone to me at 571-488-5046. You can also print the worksheets, write your answer directly on it, and screenshot it once you have completed and send it to my cell number too.