



# Science Lab



4



### 3. Heat absorption

**Topic:** Heat absorption

**Objective:** Students will learn about measuring temperature and how colours influence the absorption of heat.

**Vocabulary:** heat, thermometer, fill, temperature

**Materials:**

- 2 identical glasses or jars
- Water
- Thermometer
- 2 elastic bands or tape
- Paper sheets (black and white)

#### Development:

- **Read and look at the pictures.**

**Step 1.** Get the white paper around one of the glasses with an elastic band or tape to keep it tight.

**Step 2.** Do the same with the black paper and the other glass.

**Step 3.** Fill the glasses with the same amount of water.

**Step 4.** Measure the temperature of the water in the glasses with the thermometer and place the glasses in the sunlight - let two hours pass by and check again the temperature of the water in each glass.

Step 1.



Step 2.



Step 3.



Step 4.



Tell us...

Read the story. Choose a word for each line.

- There is one example.

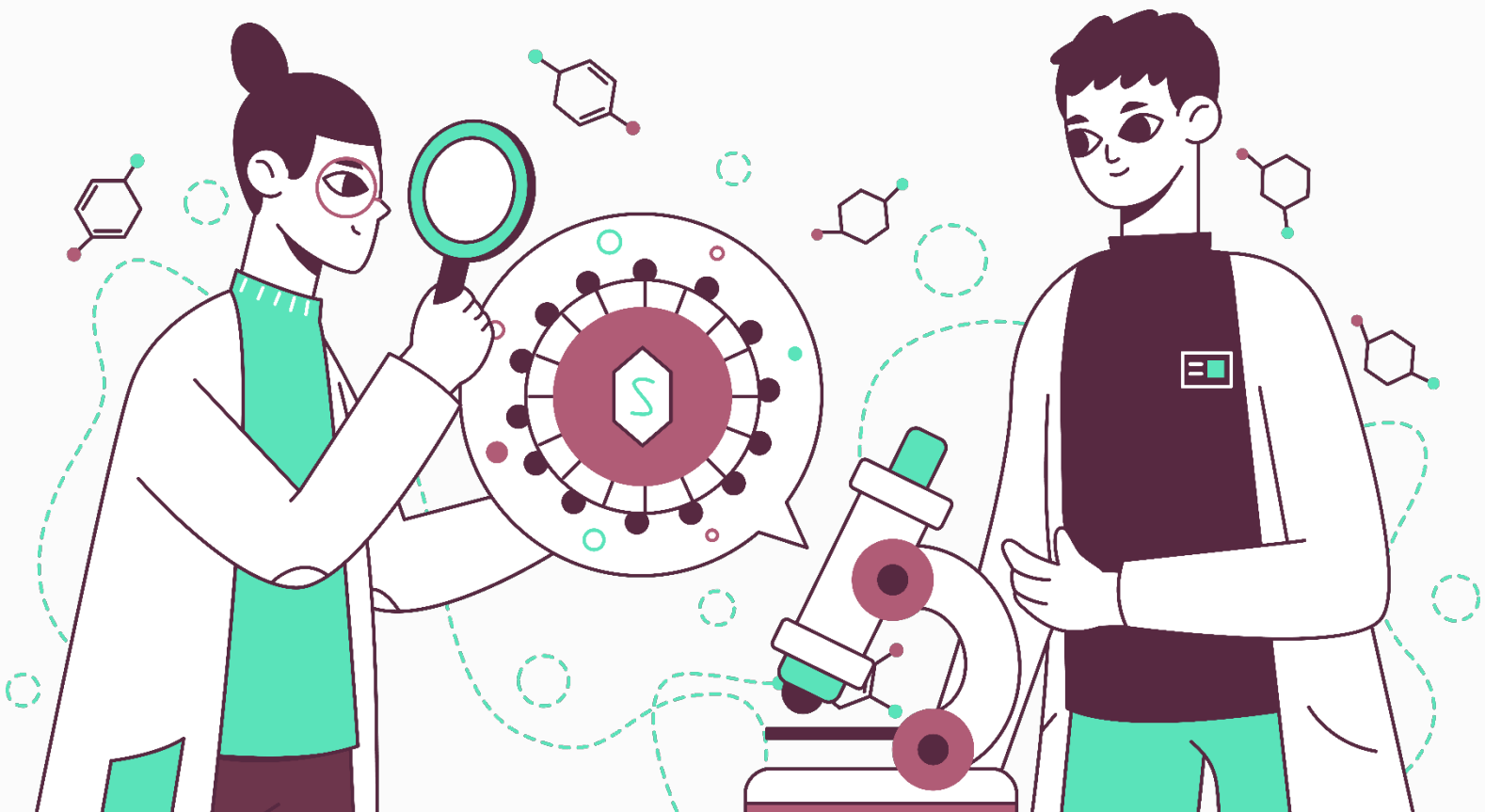
water  
black paper

thermometer  
white paper

elastic band  
glasses

For this science experiment, we had to use different materials, and we used them at different steps. Let's go back through them...

**First**, we had to hang the (1) white paper around one of the glasses with an (2) \_\_\_\_\_ to keep it tight. **After that**, we had to do the same with the (3) \_\_\_\_\_ and the other glass. **Then**, we filled up the glasses with the same amount of (4) \_\_\_\_\_. **Finally**, we measured the temperature of the water in the glasses with the (5) \_\_\_\_\_ and placed the (6) \_\_\_\_\_ in the sunlight, let two hours pass by and re-measured the water temperature in each.



Glue a picture of your project finished!

Heat absorption

Glue your  
picture here  
:)

1. What was your favourite part of the project? \_\_\_\_\_.

2. What, exactly, did you like the most?  
\_\_\_\_\_.

3. Extra notes on what you observed during the project. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

4. Can you see or apply the information from the project in real life? YES / NO  
Explain: \_\_\_\_\_  
\_\_\_\_\_.

5. Was it easy to get the materials for the project? YES / NO  
Explain: \_\_\_\_\_  
\_\_\_\_\_.

