Reading

1 Read and circle the best title for the experiment.

a. How does air resistance slow down falling objects?

b. How do we get paper from trees?

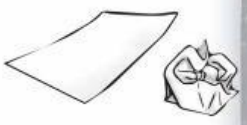
c. What were Aristotle's ideas?



Hi! My name is Daisy. I read an interesting article about Aristotle and Galileo's ideas. I can't go to Pisa to do an experiment like Galileo, but I can do an experiment at home!

Experiment

I've designed an experiment to find out more about gravity and air resistance. I have two pieces of paper, which are exactly the same. I will stand on a chair and drop the two pieces of paper at the same time to find out which one will hit the ground first. They weigh the same, but I will change the shape of one of the pieces of paper. I will make a small ball with it.



Results

This is what happened! I dropped the two pieces of paper at exactly the same time. The ball of paper fell much more quickly than the flat piece of paper. The ball of paper hit the ground first.

Explanation

When an object falls, the air slows it down. An object with a lot of flat space on the outside will slow down more than an object with a small amount of flat space on the outside. This is why the flat piece of paper traveled more slowly through the air than the ball of paper. This experiment was fun and easy! Why don't you try it at home?

2 Read the experiment again and circle the correct options.

1. Daisy did an experiment at **school** / **home**.
2. She started with two pieces of paper that were **the same** / **different.**
3. She changed the **weight** / **shape** of one of the pieces of paper.
4. She stood on a **table** / **chair** to drop the two pieces of paper.
5. The paper with the larger flat space on the outside fell more **quickly** / **slowly**.

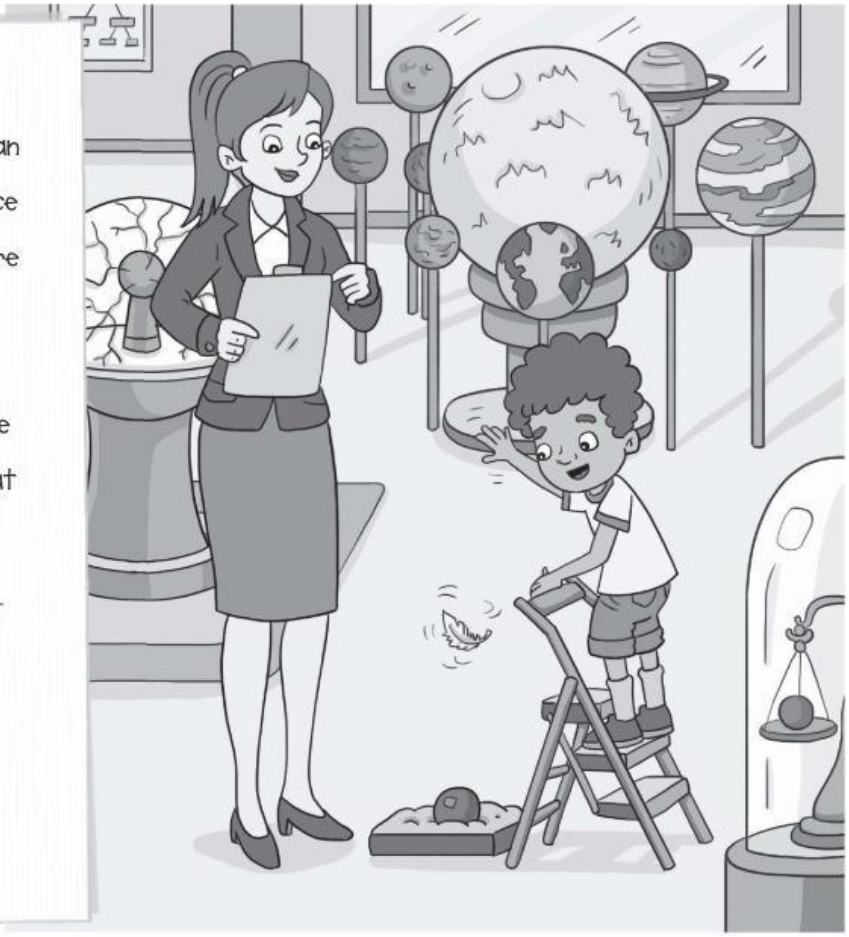
LIVEWORKSHEETS

Writing

1 Read Tom's diary entry and write *so* or *because*.

Wednesday, May 13

Last week, my mom and I went to an exhibit about gravity at the Science Museum (1) _____ we're studying this topic at school at the moment. We don't have a car, (2) _____ we took the train. We arrived at the museum at ten o'clock. The exhibit was very interesting, (3) _____ we spent all day there! We learned about Aristotle and Galileo's experiments. I really enjoyed it (4) _____ we got to do lots of experiments, too!



2 Read again and number the questions in the order that Tom answers them.

- ☐ How did you get there?
- ☐ Where did you go?
- ☐ How long did you stay?
- ☐ Why did you go there?



3 Read and match.

1. We use *because* — a. to talk about the result of something.
2. We use *so* — b. to explain the reason for something.

LIVEWORKSHEETS