

Class: \_\_\_\_\_ Name: \_\_\_\_\_

Score: \_\_\_\_ /15

### [1-4] Complete the sentences.

force

adults

slide

came up with

1. All you need to do is climb up to the top and \_\_\_\_\_ down.
2. Gravity is an invisible \_\_\_\_\_ that pulls everything down.
3. Two \_\_\_\_\_ can sleep comfortably in the shelter.
4. He \_\_\_\_\_ the idea while living in San Francisco.

### [5-8] Choose the correct words.

5. So you have to give yourself a ( push / shelter ) to start the journey down.
6. When two things ( rub / work ) against each other, they cause friction.
7. The Oru Kayak is about 3.5 meters long. But it ( folds / causes ) up to the size of a suitcase.
8. Finally, he created his first usable kayak with ( flexible / practical ) plastic.

### [9-11] Read and answer the questions.

Slides are simple but always fun. All you need to do is climb up to the top and slide down. But did you know that there is science behind this simple playground equipment?

Isaac Newton said what goes up must come down. He was talking about gravity. Gravity is an invisible force that pulls everything down. Slides work because of gravity. But that is not all.

9. What is the second paragraph mainly about?

- Ⓐ what gravity is
- Ⓑ how to slide in a fun way
- Ⓒ what slides are

10. Who said what goes up must come down?

- Ⓐ Anton Willis
- Ⓑ Isaac Newton
- Ⓒ Tina Hovsepian

**11.** What is NOT true about gravity?

- Ⓐ It is an invisible force that pulls everything down.
- Ⓑ It makes slides work.
- Ⓒ It is the only thing that makes slides work.

**[12-15] Read and answer the questions.**

What do kayaks and pop-up shelters have in common? They can be made by using the Japanese art of origami.

The Oru Kayak is a small boat for one person. It is about 3.5 meters long. But **it** folds up to the size of a suitcase. Anton Willis is the inventor of the Oru Kayak. He came up with the idea while living in San Francisco. He enjoyed kayaking on the ocean. But he had no room in his small apartment for a regular kayak. He needed a kayak that could fold up. He started by folding kayak models out of paper. Then, he tried cardboard. Finally, he created his first usable kayak with flexible plastic. Now, people can use his folding kayak on the water!

**12.** What did Anton Willis need his kayak to do?

- Ⓐ fold up
- Ⓑ get bigger
- Ⓒ open up

**13.** What material did Anton Willis use for his first kayak model?

- Ⓐ paper
- Ⓑ cardboard
- Ⓒ flexible plastic

**14.** What does **it** refer to?

- Ⓐ a small boat
- Ⓑ the Oru Kayak
- Ⓒ a suitcase

**15.** What is NOT true about the Oru Kayak?

- Ⓐ It is a small boat for one person.
- Ⓑ It can fold up to the size of a suitcase.
- Ⓒ It is made with cardboard.