



Suffix: *-ion*

We can use the suffix *-ion* to make the noun form of many common verbs. There are several ways to do this:

-ion: communicate → communication

-ation: imagine → imagination

Add *-ion* to the end of the word: direct → direction

- 1** Read the Vocabulary Building box. Then complete the table. Use a dictionary if necessary. Listen and check your answers. Listen a second time and underline the stressed syllable in each word. Which words have a different stress in the verb form and noun form? 11

Verb	Noun
accommodate	(1) _____
construct	(2) _____
direct	(3) _____
educate	(4) _____
(5) _____	exploration
locate	(6) _____
(7) _____	transportation

2 Complete the text with words from Activity 1.

The International Space Station is a base for space

- (1) _____ and research. It travels 400 kilometers (249 miles) above the Earth, always moving in an east-to-west (2) _____. Moving at 28,000 kilometers (17,398 miles) per hour, it passes over the same (3) _____ on Earth every four minutes. Rockets (4) _____ astronauts to and from the ISS, which can (5) _____ six astronauts at one time.

12 "The size is similar to an old telephone box*, "

said Japanese engineer Koichi Wakata as he was giving a video tour of his bedroom in the International Space Station (ISS). "It's a little taller than my height. There's a sleeping bag here, which is very comfortable.

5 It's fixed* to the wall so I don't float away." Wakata, who lived on the ISS three different times, had two computers in his room; one for official ISS business and a second for Internet access. He also had a camera and earphones for communication with family and friends back home on Earth. His room also had a small lamp for reading in bed, but instead of
10 a dresser for his clothes, he kept them in a small storage locker. There simply wasn't room for a table or chair.

The ISS accommodations didn't offer Wakata many luxuries, but it provided a lot of the basic comforts of a usual home. He and the other astronauts ate packaged food in a small kitchen and dining area, which
15 had an oven but no refrigerator. Wakata couldn't have a shower in the ISS, but Italian astronaut Samantha Cristoforetti, who spent 199 days on the space station, explained that when she was living there, every astronaut had an area where they washed, brushed their teeth, and so on. "But you don't have a sink," she explains. When she was washing,
20 she used very small amounts of water from small containers and a special "no-rinse" soap and shampoo.

As astronaut Scott Kelly tweeted, "All the comforts of home. Well, most of them."

telephone box a small booth where people could use public phones
fixed stuck; fastened

The International Space Station (ISS) timeline

1984 The US government decided to build a space station for scientific research, education, and space exploration.

1990s The Russian, Canadian, Japanese, and European space programs agreed to help with the construction.

1998 The Russian space agency sent the first part of the ISS into space, working with the other countries.

1998 to 2009 Astronauts added to the ISS to improve the accommodations on it.

5 Read the article and timeline. Choose the correct words to complete the sentences.

- 1 Koichi Wakata's *bedroom* / *bed* is the size of an old telephone booth.
- 2 The bed is on the *floor* / *wall*.
- 3 His bedroom *does* / *doesn't* have a chair.
- 4 There *isn't* / *is* a refrigerator in the kitchen area.
- 5 There isn't *water* / *a sink* for washing.
- 6 In 1984, the US government decided *to construct* / *construction* the ISS.
- 7 *Australia* / *Japan* helped build the ISS.
- 8 The first part went to space in *1998* / *2009*.

CRITICAL THINKING Analyze fact and opinion

A fact is something that is true for everyone, for example, *Tokyo is in Japan*. An opinion is something you believe, but you can't prove, for example, *Tokyo is the world's most exciting city*. We often mix fact and opinion when we communicate, so it's important to think about what is fact and what is opinion.

6 Look at the Critical Thinking box. Are the sentences fact (F) or opinion (O)?

- 1 The bedroom is small. _____
- 2 The sleeping bag is very comfortable. _____
- 3 A computer provides Internet access. _____
- 4 Working in space, away from family, is very difficult. _____
- 5 The food in space isn't very tasty. _____
- 6 There's no shower on the ISS. _____