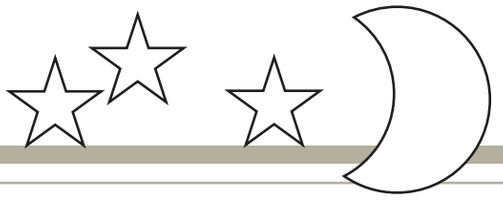
Moon



Vocabulary

1 rotate

2 orbit

3 satellite

4 exist

5 extremely

6 physical

7 weigh

8 atmosphere

9 footprints

10 astronauts

11 temperature

12 surface

13 gravity

14 telescope

15 currently

Listening

1 Why can we never see the far side of the Moon from Earth?

A) Because the Moon does not rotate at all.

B) Because it takes the same time to rotate and orbit Earth.

C) Because the far side is always dark and has no light.

2 According to the script, what would happen to a day on Earth if there were no Moon?

A) It would become 24 hours long.

B) It would become longer than 24 hours.

C) It would become less than half of 24 hours.

3 Why haven't humans traveled to the Moon since 1972?

A) Because humans have never successfully landed on the Moon.

B) Because it costs too much money and robots can do the jobs.

C) Because the U.S. stopped all future space travel programs.

Listening script

The Moon is Earth’ s only natural satellite. It is full of mysteries. For example, because of "tidal locking," the Moon takes the same time to rotate as it does to orbit Earth. This means we always see the same side of the Moon, and its far side is hidden from us.

Also, did you know the Moon acts like a brake for Earth? If the Moon didn’ t exist, Earth would spin much faster. One day would be only six to twelve hours long instead of 24 hours! This fast rotation would cause super strong winds, making it very difficult for life to survive.

Human history changed in 1969 when Apollo 11 landed on the Moon. That was over 50 years ago. Since 1972, no humans have returned there because it is extremely expensive, and robots can do the work safely. However, the U.S. is now planning the Artemis program to send humans back to the Moon soon.

Moon Trivia

True or False?

1 The physical size of the Moon is bigger than the United States.

2 If you weigh 60 kg on Earth, you will weigh about 10 kg on the Moon.

3 The Moon has its own thick atmosphere, so footprints left by astronauts disappear quickly.

4 There is water on the Moon.

5 The "Far Side" (back side) of the Moon never receives any sunlight.

6 The temperature on the Moon can change by more than 200 degrees Celsius between day and night.

7 The Moon is slowly moving away from Earth every year.

8 More than 10 people have walked on the surface of the Moon.

Moon

Questions

1 If you had a chance to visit the Moon, would you like to go?

2 Do you think governments should spend billions of dollars on space travel, or should they spend it on solving problems on Earth?

3 If humans build a city on the Moon in the future, would you like to live there for a year?

4 The Moon's gravity is 1/6 of Earth's. What kind of sports or games do you want to play on the Moon?

5 Some scientists say that we should build a telescope on the far side of the Moon because there is no light or radio noise from Earth. Do you think this is a good idea?

6 Space travel to the Moon is currently very expensive and only for rich people or astronauts. Do you think space travel will become cheap enough for everyone in 30 years?