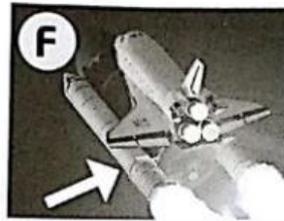
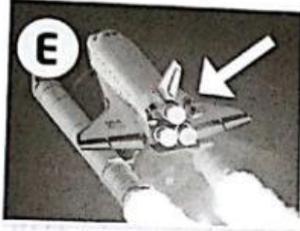
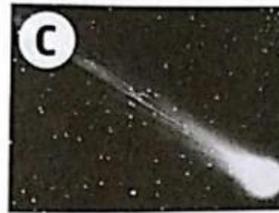
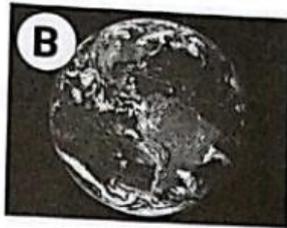


1 Look. Listen. Write the letter. TR: 21



Example: _____

1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____

2 Complete the sentences. Use *may* or the correct form of *be*.

Example: There may be life on other planets.

1. There _____ no oxygen in space.
2. Extraterrestrials _____ live on other planets.
3. We _____ find life on other planets.

3 Complete the sentences. Use *everyone*, *no one*, *someone*, or *anyone*.

Example: _____ Everyone _____ breathes oxygen.

1. Someday, _____ might discover life on another planet.
2. _____ at my school likes to talk about extraterrestrials.
All the students and teachers talk about them.
3. Has _____ ever seen a comet?
4. Is there life on another planet? _____ knows!

Read. Underline the correct words.

1. Two planets in our *universe / solar system* orbit the sun closer than Earth.
2. A *comet / planet* may need an atmosphere to support life.
3. We use radios to *communicate / journey* with spacecraft.
4. Scientists collect *search / data* to look for life on other planets.
5. Astronauts use a spacecraft to get to the *rocket / space station*.
6. We have sent *astronauts / extraterrestrials* into space.
7. Scientists use SETI to *search / debate* for extraterrestrial intelligence.
8. Some *spacecraft / comets* have big orbits that go outside of the solar system.

Read. Draw lines to match.

- | | |
|-----------------------------|-------------------------------|
| 1. Let's take a journey | a. with atmospheres. |
| 2. Let's use a rocket | b. to send up our spacecraft. |
| 3. Let's travel past | c. communicate back to Earth. |
| 4. Let's find new data to | d. about extraterrestrials! |
| 5. Let's search for planets | e. into space. |
| 6. Let's end the debate | f. the moon and the planets. |

Read and write. Use each word twice to complete the sentences.

debate orbit search

1. Two moons _____ the planet Mars.
2. Scientists look for data in their _____
for intelligent life.
3. The Mars rover, called *Curiosity*, may _____ Mars for water.
4. Scientists do not agree. They _____ whether life was ever on Mars.
5. You can see Mars in its _____ around the sun.
6. You can go to the _____ and say that Mars never _____.



1 Listen and read. TR: 4.3

Life on Mars

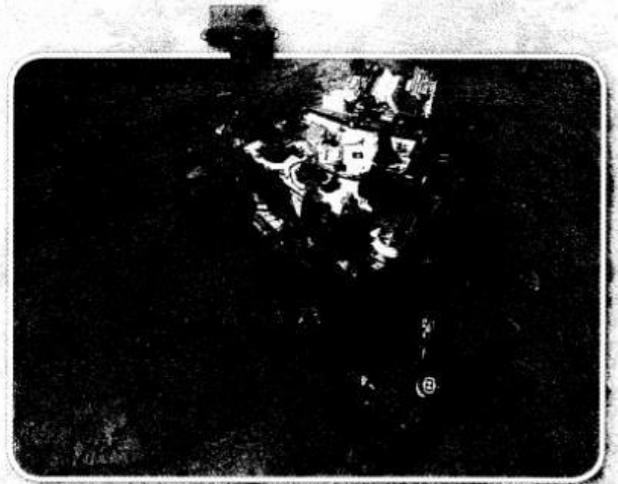
Mars is the fourth planet from the sun. You can see Mars without a telescope, but you need a telescope to see its characteristics. Many years ago, people began looking at Mars with telescopes. They wondered if Mars ever had life.

In 1877, an Italian scientist, Giovanni Schiaparelli, saw strange lines on the surface of Mars and wrote about them. Some people read what Schiaparelli had written and thought the lines were canals. A canal is a waterway that's man made. They thought that Martians may have made them!

When telescopes got better, people forgot the canal idea. In 1965, the spacecraft *Mariner 4* flew by Mars and took photos. The photos showed that the surface looks like Earth's moon, with marks from rocks hitting it.

In 2012, the first Mars rover *Curiosity* landed on Mars. It sent data back to Earth. Since then, many other spacecraft have been sent to fly past, orbit, or land on Mars. We have learned a lot more about Mars. One recent discovery is exciting. For years, scientists looked for liquid water on Mars. They found small amounts of ice. But in 2018, they discovered an underground lake, 19 km (12 mi.) long. Scientists think there may be other similar lakes on Mars.

Scientists have not found life on Mars yet. But some think that where there is water, there may be life, or life may have been there many years ago. In 2018, the InSight mission landed on Mars. Its aim is to study deep down below the surface of Mars. It will investigate the structure of the planet and look for earthquakes—or rather marsquakes! Scientists hope to learn about the origins of Mars, as well as other planets in the solar system.



2 Check T for *True* and F for *False*.

1. Mars has canals that are like rivers.
2. In 1877, *Mariner 4* flew by Mars and took photos.
3. Scientists have discovered a lake on the surface of Mars.
4. Scientists don't know if there was ever life on Mars.

- | | | | |
|-----------------------|---|-----------------------|---|
| <input type="radio"/> | T | <input type="radio"/> | F |
| <input type="radio"/> | T | <input type="radio"/> | F |
| <input type="radio"/> | T | <input type="radio"/> | F |
| <input type="radio"/> | T | <input type="radio"/> | F |

3 Read and write.

1. You can see Mars without a _____.
2. People thought that they saw _____ on Mars, but they were wrong.
3. The surface of Mars has marks from falling rocks like Earth's _____.
4. It's possible that there was _____ on Mars many years ago.



4 Complete the chart. Use information from Activity 1.

