

Could We Really Live on Mars?

The idea of living on Mars has fascinated scientists and dreamers alike. But what would it take for humans to actually live on another planet? First of all, we *must* build technology that can transport people safely to Mars. This is not just a fantasy; companies like SpaceX are already working on spacecraft that *might* be able to make the journey within the next decade.

Once there, we *should* focus on building habitats that can protect us from the harsh environment. Mars is colder than Earth, so we *must* have proper insulation, and we *might* need to create oxygen, as the planet doesn't have a breathable atmosphere. People *could* live in domes or underground for extra protection.

The biggest challenge, however, is food and water. We *can* bring supplies from Earth at first, but eventually, we *must* find ways to grow food on Mars. Scientists believe that with the right technology, we *might* be able to farm in greenhouses using Martian soil.

Living on Mars *could* become a reality, but there are many obstacles we *must* overcome before we get there. If we succeed, it *might* change the future of humanity forever.

Comprehension Exercise (True/False)

- SpaceX is already working on technology for Mars travel. True/False
- Mars has a breathable atmosphere for humans. True/False
- It is suggested that people might live underground or in domes on Mars. True/False
- The text suggests that bringing food from Earth is the long-term solution for survival on Mars. True/False
- There are no challenges to living on Mars, according to the text. True/False

Vocabulary Exercise

- Which modal is used to express a strong necessity in the text?
 - Can
 - Must
 - Might
- Which modal is used to talk about a possibility in the future?
 - Should
 - Might
 - Can
- The word "could" in the sentence "People *could* live in domes" suggests:
 - Permission
 - Ability
 - Possibility
- Which modal in the text expresses advice or recommendation?
 - Should

- b) Must
 - c) Can
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- 5. "We *can* bring supplies from Earth" refers to:
 - a) Permission
 - b) Ability
 - c) Necessity
- 6. The modal *must* in the text is used to show:
 - a) Obligation
 - b) Permission
 - c) Possibility
- 7. The word "might" in "It *might* change the future of humanity" expresses:
 - a) A strong certainty
 - b) A possibility
 - c) A necessity

Explanation of Modals

Modals are auxiliary verbs used to express different degrees of ability, permission, possibility, necessity, and advice. They are followed by the base form of the verb, and do not change form depending on the subject.

- **Can:** Shows ability or permission
(e.g., "You *can* join the meeting.")
- **Could:** Shows past ability or polite permission/possibility
(e.g., "We *could* travel next month.")
- **Must:** Expresses strong necessity or obligation
(e.g., "You *must* wear a helmet.")
- **Might:** Used to express possibility
(e.g., "It *might* rain tomorrow.")
- **Should:** Gives advice or recommendations
(e.g., "You *should* take an umbrella.")

Practice Exercise

Complete the sentences with the correct modal (can, could, might, must, should):

1. You _____ finish your project before the deadline.
2. We _____ need to stay longer if the weather gets worse.

3. People _____ start thinking about how to reduce their carbon footprint.
4. I _____ see if I can help you with that task tomorrow.
5. You _____ follow safety guidelines when working with heavy machinery.
6. The new technology _____ change the way we communicate in the future.
7. If we don't act now, we _____ face serious environmental problems.

Modal Choice Exercise

Choose the correct modal (*can, could, must, might, should*) to complete each sentence related to the topic of living on Mars.

1. Scientists believe we _____ be able to live on Mars in the future, but there are many challenges to overcome.
 - a) must
 - b) might
 - c) should
2. If we move to Mars, we _____ build shelters that protect us from the cold and lack of oxygen.
 - a) can
 - b) must
 - c) could
3. In the beginning, people _____ rely on supplies brought from Earth to survive.
 - a) can
 - b) must
 - c) should
4. We _____ find ways to grow food on Mars to ensure long-term survival.
 - a) can
 - b) could
 - c) must
5. Living on Mars _____ sound exciting, but it also comes with many risks.
 - a) might
 - b) must
 - c) can
6. Future explorers _____ invent new ways to produce water and oxygen on Mars.
 - a) must
 - b) could
 - c) should
7. If we solve these problems, people _____ live on Mars for generations.

- a) could
- b) must
- c) might

8. To survive on Mars, people _____ create new technologies for daily life.

- a) can
- b) must
- c) might

9. Scientists _____ discover ways to make the Martian atmosphere breathable in the future.

- a) can
- b) could
- c) must

10. Mars _____ become a second home for humanity, but first, we _____ solve the challenges of space travel.

- a) must / might
- b) might / must
- c) could / should