

Chapter 23

STUDY GUIDE

● Mission to Mars

Determine whether each of the following statements is true or false. Write the word “true” or “false” in the blank. If the statement is false, rewrite it so that it’s true.

- _____ 1. Only humans can carry out scientific experiments on Mars.

- _____ 2. The near zero gravity in space can cause human bones to lose calcium, weaken, and break more easily.

- _____ 3. Human muscles are not affected by the lack of gravity in space.

- _____ 4. It would take about three months to get to Mars and back.

- _____ 5. A robot’s hands can be controlled by sensors connected to data gloves worn by a human operator.

- _____ 6. A robot “sees” with tiny video cameras.

- _____ 7. Radio signals travel from Earth to Mars in a few seconds.

- _____ 8. Scientists have already developed robots with sufficient artificial intelligence to work on Mars.

- _____ 9. Because of the long flight to Mars, humans would face more danger than they do on current missions.

- _____ 10. Body fluids move upward because there’s no gravity to pull them down.
