

Chapter 21

STUDY GUIDE

Text Pages 604–611

● The Space Shuttle and the Future

Read the following statements. If a statement is true of a space shuttle, write *SH* in the blank. If a statement is true of a space station, write *ST*. If the statement is true of both, write *B* in the blank.

- _____ 1. The United States has developed this type of spacecraft.
- _____ 2. This is a reusable space transport.
- _____ 3. Its solid-fuel booster engines are recovered after they are parachuted to Earth.
- _____ 4. This has orbited Earth.
- _____ 5. Cosmonauts spent a record 365 days in one of these.
- _____ 6. NASA plans on assembling a future one of these in orbit.
- _____ 7. This provides living quarters for work and exercise for people living in space.
- _____ 8. Astronauts have conducted experiments in these.
- _____ 9. This glides back to Earth and lands like an airplane.
- _____ 10. NASA plans call for crews to remain on board this several months at a time.
- _____ 11. This would be used in the future to send equipment and goods back and forth to people working in space.
- _____ 12. Its mechanical arm can be used to launch, retrieve, and repair satellites.
- _____ 13. The Soviets called theirs *Mir*.
- _____ 14. We called ours *Skylab*.
- _____ 15. The *Hubble Space Telescope* was launched by this in 1990.
- _____ 16. A purpose of this is to serve as a repair site for satellites and other vehicles.
- _____ 17. Its liquid-fuel tank is not recovered when it returns to Earth.
- _____ 18. Astronauts can only spend a short time in space in one of these.
- _____ 19. In one of these, American crews have spent up to 84 days collecting data about the effects of living in space.
- _____ 20. NASA has plans for the future use of this.
- _____ 21. Astronauts on this perform many duties.
- _____ 22. Several nations will cooperate in working on a future project for this.
- _____ 23. While in this, researchers will make products that will be returned to Earth.