NAME DATE CLASS

Chapter 23

STUDY GUIDE

Text Pages 646–651

The Inner Planets

In the blank at the left, write the letter of the term or phrase that correctly completes each statement.

_____ **1.** Mars is the _____ planet outward from the sun.
a. third **b.** fourth

_____ **2.** Because of similar size and mass, _____ is called Earth's twin.
a. Mars **b.** Venus

_____ **3.** _____ has great extremes in temperature, –450°C during the day and –170°C at night.
a. Mercury **b.** Mars

_____ **4.** Venus is the _____ planet outward from the sun.
a. fourth **b.** second

_____ **5.** The _____ space probes made many discoveries about Mars.
a. *Viking* **b.** *Mariner*

_____ **6.** The atmosphere of _____ is mostly carbon dioxide.
a. Mercury **b.** Venus

_____ **7.** The largest volcano in the solar system is _____ on Mars.
a. *Valles Marineras* **b.** *Olympus Mons*

_____ **8.** One astronomical unit (AU) is equal to the avenge distance between the sun and _____.
a. Earth **b.** Mercury

_____ **9.** One astronomical until (AU) equals _____.
a. 150 million km **b.** 15 million km

_____ **10.** Water exists as a solid, liquid, and gas on _____.
a. Mercury **b.** Earth

_____ **11.** Polar ice caps are a visible feature of _____.
a. Mars **b.** Venus

_____ **12.** Mars appears red because of _____ in its rocks.
a. sulfuric acid **b.** iron oxide

_____ **13.** _____ is the third planet outward from the sun.
a. Venus **b.** Earth

_____ **14.** _____ is the larger of Mars' two moons.
a. Phobos **b.** Deimos

_____ **15.** The _____ space probe mapped the surface of Venus.
a. *Magellan* **b.** *Mariner*

Copyright © Glencoe/McGraw-Hill, a division of The McGraw-Hill Companies, Inc.