

**Chapter 11 Quiz**

1. Earth's lithosphere is comprised of \_\_\_\_\_. [Hint](#)
- A. the mantle and outer core
  - B. the crust and outer core
  - C. the crust and upper mantle
  - D. the crust and lower mantle
2. Earth's asthenosphere is found in the \_\_\_\_\_. [Hint](#)
- A. crust
  - B. mantle
  - C. inner core
  - D. outer core
3. \_\_\_\_\_ are large sections of lithosphere that float on the asthenosphere. [Hint](#)
- A. Boundaries
  - B. Subduction zones
  - C. Plates
  - D. Plate tectonics
4. The San Andreas Fault is a \_\_\_\_\_. [Hint](#)
- A. divergent boundary
  - B. subduction zone
  - C. convergent boundary
  - D. transform fault boundary
5. The theory of \_\_\_\_\_ states that continents moved to their present positions. [Hint](#)
- A. subduction
  - B. seafloor spreading
  - C. continental drift
  - D. erosion
6. During the formation of Rodinia, East Antarctica is thought to have collided with the \_\_\_\_\_ Plate. [Hint](#)
- A. South American
  - B. North American
  - C. Indo-Australian
  - D. African
7. Evidence from \_\_\_\_\_ indicates that many continents were once located near Earth's south pole. [Hint](#)
- A. glaciers
  - B. mid-ocean ridges
  - C. volcanoes
  - D. plates
8. \_\_\_\_\_ of iron in rocks supports the theory of seafloor spreading. [Hint](#)
- A. Plate movement
  - B. Subduction
  - C. Magnetic alignment
  - D. Weathering
9. The Great Rift Valley is a \_\_\_\_\_ boundary. [Hint](#)
- A. convergent
  - B. divergent
  - C. transform fault
  - D. lithosphere

10. The theory of \_\_\_\_\_ states that plates move around on the asthenosphere.  
[Hint](#)

- A. continental drift
- B. seafloor spreading
- C. subduction
- D. plate tectonics

11. A \_\_\_\_\_ forms when a plate slides under another plate. [Hint](#)

- A. transform fault
- B. divergent boundary
- C. subduction zone
- D. mid-ocean ridge

12. When two oceanic plates collide, \_\_\_\_\_ form. [Hint](#)

- A. folded mountains
- B. island arcs
- C. transform faults
- D. mid-ocean ridges

13. Most mountain belts, volcanoes, and earthquakes occur at \_\_\_\_\_. [Hint](#)

- A. divergent boundaries
- B. convergent boundaries
- C. mid-ocean ridges
- D. hot spots

14. The driving force of plate tectonics is supplied by \_\_\_\_\_. [Hint](#)

- A. shear
- B. tension
- C. compression
- D. convection currents

15. Seafloor spreading occurs at \_\_\_\_\_. [Hint](#)

- A. divergent boundaries
- B. convergent boundaries
- C. subduction zones
- D. hot spots

16. Wegener called the large landmass in his theory of continental drift \_\_\_\_\_ . [Hint](#)

- A. Alleterra
- B. Pangaea
- C. Spitzbergen
- D. Africanis

17. \_\_\_\_\_ is credited with proposing the theory of seafloor spreading. [Hint](#)

- A. Alfred Wegener
- B. The *Glomar Challenger* research team
- C. Harry Hess
- D. None of the above choices is correct.

18. A magnetometer is a sensitive instrument that records \_\_\_\_\_. [Hint](#)

- A. movement in Earth's crust
- B. movement in the seafloor
- C. magnetic data
- D. temperature of rock masses

19. The theory of plate tectonics states that plates in Earth's crust move around on the \_\_\_\_\_. [Hint](#)

- A. outer core
- B. mantle
- C. seafloor
- D. lithosphere

20. How do plates interact? Hint

- A. They collide.
- B. They pull apart.
- C. They move past one another.
- D. All of the above choices are correct.

21. The boundary between two plates that are moving apart from one another is called a \_\_\_\_\_. Hint

- A. divergent boundary
- B. convergent boundary
- C. rift
- D. subduction zone

22. \_\_\_\_\_ occur when two plates slide past one another. Hint

- A. Transform faults
- B. Convection currents
- C. Mid-ocean ridges
- D. Convergent boundaries

23. Two of the main effects of plate tectonics are \_\_\_\_\_. Hint

- A. earthquakes and floods
- B. floods and tornadoes
- C. seafloor ridges and rift valleys
- D. earthquakes and volcanoes

24. Which of the following is evidence of seafloor spreading? Hint

- A. Rock samples from the seafloor are younger than continental rocks.
- B. Rocks on the ocean floor show many magnetic reversals.
- C. Both of the above choices are correct.
- D. Neither of the above choices is correct.

