

# Introduction to Earth Science

## Multiple Choice

*Write the letter of the correct answer.*

- \_\_\_\_\_ 1. Using your senses to gather information is called
  - a. inferring.
  - b. observing.
  - c. predicting.
- \_\_\_\_\_ 2. A possible answer to a scientific question is a
  - a. hypothesis.
  - b. prediction.
  - c. conclusion.
- \_\_\_\_\_ 3. The part of Earth that is made up of living things is the
  - a. hydrosphere.
  - b. lithosphere.
  - c. biosphere.
- \_\_\_\_\_ 4. Geologists study the forces that have changed Earth's
  - a. weather.
  - b. resources.
  - c. surface.
- \_\_\_\_\_ 5. A landform with high elevation and a flat surface is a
  - a. plain.
  - b. mountain.
  - c. plateau.
- \_\_\_\_\_ 6. What part of a map shows what the symbols on the map stand for?
  - a. key
  - b. scale
  - c. projection
- \_\_\_\_\_ 7. Distance north or south of the equator is called
  - a. longitude.
  - b. polar distance.
  - c. latitude.

**Introduction to Earth Science ▪ Chapter Test B**

- \_\_\_\_\_ 8. On a topographic map, a line connecting points with the same elevation is a(an)  
a. contour line.  
b. contour interval.  
c. index line.
- \_\_\_\_\_ 9. Where contour lines are far apart, the ground has  
a. a steep slope.  
b. a gentle slope.  
c. high relief.
- \_\_\_\_\_ 10. What is the first thing you should do if a chemical spills in the science lab?  
a. tell the teacher  
b. clean up the spill  
c. learn first aid

**Completion**

*Read the words in the box. In each sentence below, fill in one of the words. Not all words will be used.*

elevation	hydrosphere	plateau
hemisphere	equator	plain

11. All of Earth's waters make up the \_\_\_\_\_.
12. A landform with nearly flat or gently rolling land is a(an) \_\_\_\_\_.
13. One half of Earth's surface is a(an) \_\_\_\_\_.
14. All lines of latitude are parallel to the \_\_\_\_\_.
15. An index contour is labeled with the \_\_\_\_\_.

**True or False**

*If a statement is true, write true. If it is false, write false.*

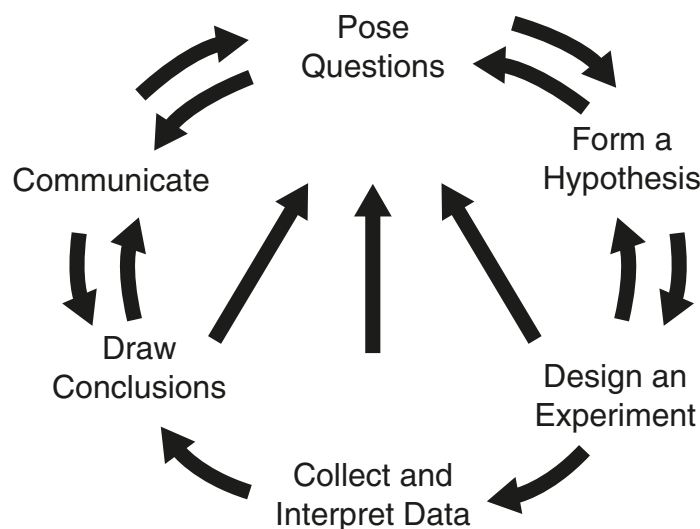
- \_\_\_\_\_ 16. A mountain system is a group of mountains in the same area.
- \_\_\_\_\_ 17. The difference in elevation between the highest and the lowest parts of an area is its scale.

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- \_\_\_\_\_ 18. The longitude lines in each hemisphere are numbered up to 90 degrees.
- \_\_\_\_\_ 19. If a contour line is a closed loop with dashes inside, it shows a hilltop.
- \_\_\_\_\_ 20. Safety rules are important in both lab activities and field activities.

**Using Science Skills**

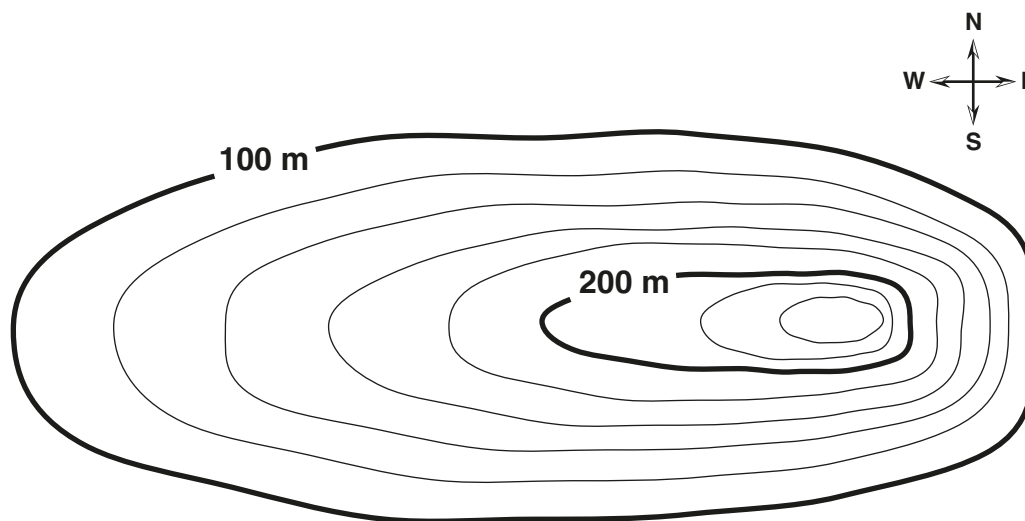
The diagram below is a model of a method used by scientists. Use the model to answer questions 21 and 22.



- \_\_\_\_\_ 21. **Interpreting Diagrams** What does this model represent?
- scientific attitudes
  - scientific inquiry
  - a scientific theory
- \_\_\_\_\_ 22. **Interpreting Diagrams** Every step in the method can lead back to which step?
- Collect and Interpret Data
  - Draw Conclusions
  - Pose Questions

**Introduction to Earth Science • Chapter Test B****Using Science Skills**

The map below is a contour map. Use the map to answer questions 23, 24, and 25.



- \_\_\_\_\_ 23. **Interpreting Diagrams** What is the contour interval of the map?
- a. 100 meters
  - b. 20 meters
  - c. 10 meters
- \_\_\_\_\_ 24. **Applying Concepts** Which kind of landform is shown on the map?
- a. hollow
  - b. valley
  - c. hill
- \_\_\_\_\_ 25. **Inferring** Which side of the land on the map is steepest?
- a. north side
  - b. east side
  - c. west side