

## Spherical Earth

### Modified True/False

Indicate whether the statement is true or false. If false, change the identified word or phrase to make the statement true.

- \_\_\_\_\_ 1. The water in Earth's oceans, seas, lakes, rivers, glaciers, and in Earth's atmosphere makes up the hydrosphere.  
\_\_\_\_\_
- \_\_\_\_\_ 2. Earth's four main systems are independent of one another. \_\_\_\_\_
- \_\_\_\_\_ 3. The biosphere includes all organisms that live on Earth. \_\_\_\_\_
- \_\_\_\_\_ 4. Most of Earth's water is salt water. \_\_\_\_\_
- \_\_\_\_\_ 5. Scientists believe Earth was first developed in a large, rotating cloud called a nebula. \_\_\_\_\_
- \_\_\_\_\_ 6. Scientists believe our solar system was formed before the Sun. \_\_\_\_\_

### Multiple Choice

Identify the choice that best completes the statement or answers the question and write it on the blank line.

- \_\_\_\_\_ 1. Which is the correct formula to find density?
  - a.  $D = m \times V$
  - b.  $D = m/V$
  - c.  $D = m + V$
  - d.  $D = m - V$
- \_\_\_\_\_ 2. The different layers formed on Earth are due to the differences in \_\_\_\_\_ of the materials.
  - a. the mass
  - b. the volume
  - c. the climate
  - d. the density
- \_\_\_\_\_ 3. Which of Earth's systems makes up all the living organisms found on Earth?
  - a. atmosphere
  - b. biosphere
  - c. geosphere
  - d. hydrosphere
- \_\_\_\_\_ 4. The more dense an object \_\_\_\_\_.
  - a. the stronger the gravitational force
  - b. the less affect it has on the magnetic field
  - c. the more round the object
  - d. the weaker the gravitational force
- \_\_\_\_\_ 5. What happens to the force of gravity when the distance between two objects decreases?
  - a. no attraction
  - b. it stays the same
  - c. it decreases
  - d. it increases
- \_\_\_\_\_ 6. Which belongs to Earth's geosphere?
  - a. oceans
  - b. foxes
  - c. carbon dioxide
  - d. mountains
- \_\_\_\_\_ 7. All of the following are part of Earth's biosphere EXCEPT \_\_\_\_\_.
  - a. carbon dioxide
  - b. oak tree
  - c. wolves
  - d. bacteria
- \_\_\_\_\_ 8. Which helped the newly formed Earth become a sphere in shape?
  - a. the magnetic field
  - b. gravity
  - c. density
  - d. heat
- \_\_\_\_\_ 9. Which statement is true?
  - a. Earth was formed prior to the Sun.
  - b. Earth became spherical in shape because the hydrosphere smoothed out the irregular

bumps.

- c. When Earth was forming, the most dense materials collected together to form the core.
- d. The solar system was formed from a cloud called the biosphere.

- \_\_\_\_\_ 10. Which objects does the force of gravity pull together?
- a. dust
  - b. stars
  - c. all objects
  - d. metal objects

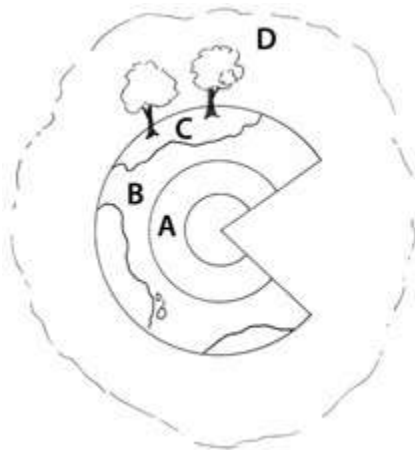
### Completion

*Complete each statement.*

- 1. Earth's \_\_\_\_\_ consists of all the living organisms on Earth.
- 2. \_\_\_\_\_ was the force that helped change a nebula into our solar system.
- 3. Both the mass of a material and its volume are needed to find an object's \_\_\_\_\_.
- 4. The layer of gases surrounding Earth make up the \_\_\_\_\_.

### Matching

*Match each letter to the system it represents.*



- a. A
- b. B
- c. C
- d. D

- \_\_\_\_\_ 1. biosphere
- \_\_\_\_\_ 2. atmosphere
- \_\_\_\_\_ 3. geosphere
- \_\_\_\_\_ 4. hydrosphere