

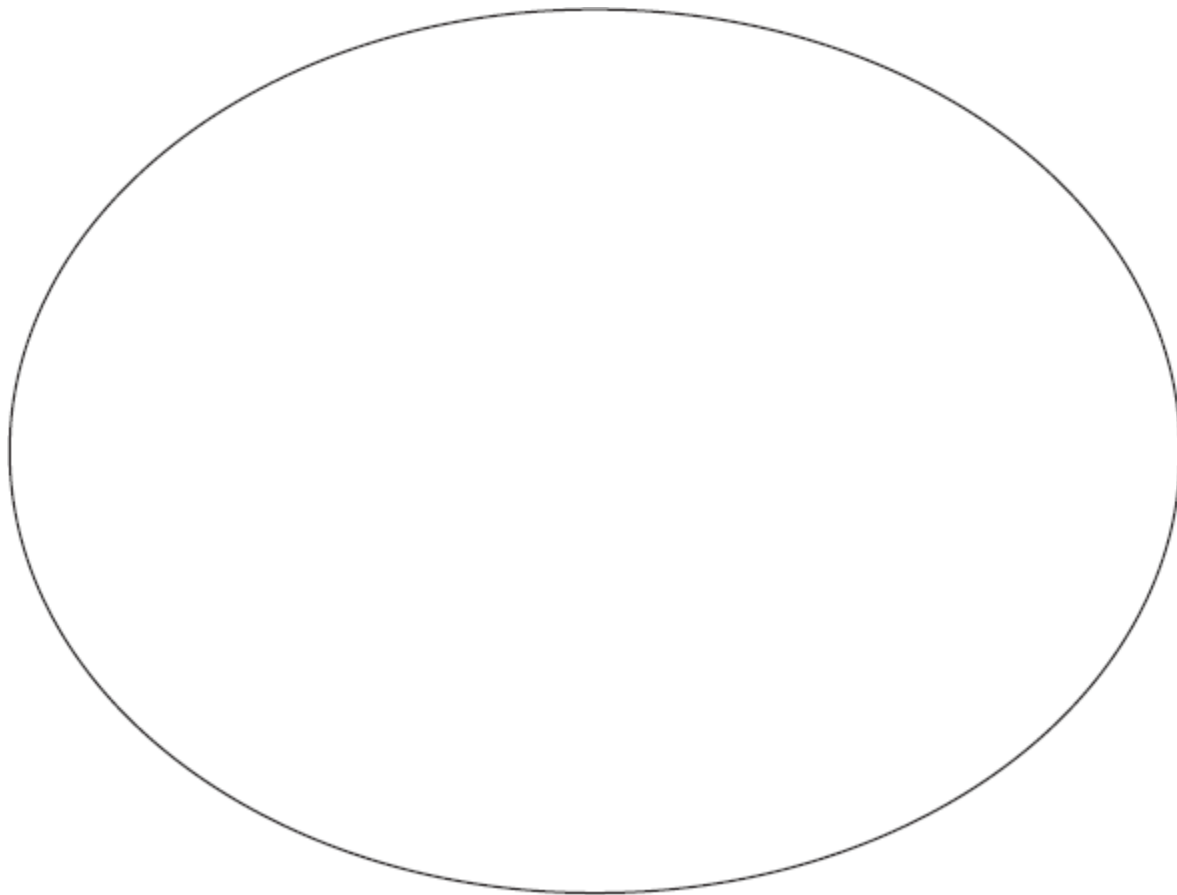
Content Practice B**LESSON 2**

The Geosphere

Directions: *On the line before each statement, write I if the statement is associated with igneous rocks, M if the statement is associated with metamorphic rocks, or S if the statement is associated with sedimentary rocks.*

- _____ 1. The texture of rock is altered.
- _____ 2. Magma cools and hardens inside Earth.
- _____ 3. Sediments are eroded and deposited.
- _____ 4. High temperatures and extreme pressure change rocks.
- _____ 5. Lava cools and hardens on Earth's surface.
- _____ 6. Sediments are compacted and compressed.
- _____ 7. The chemical composition of rock is altered.

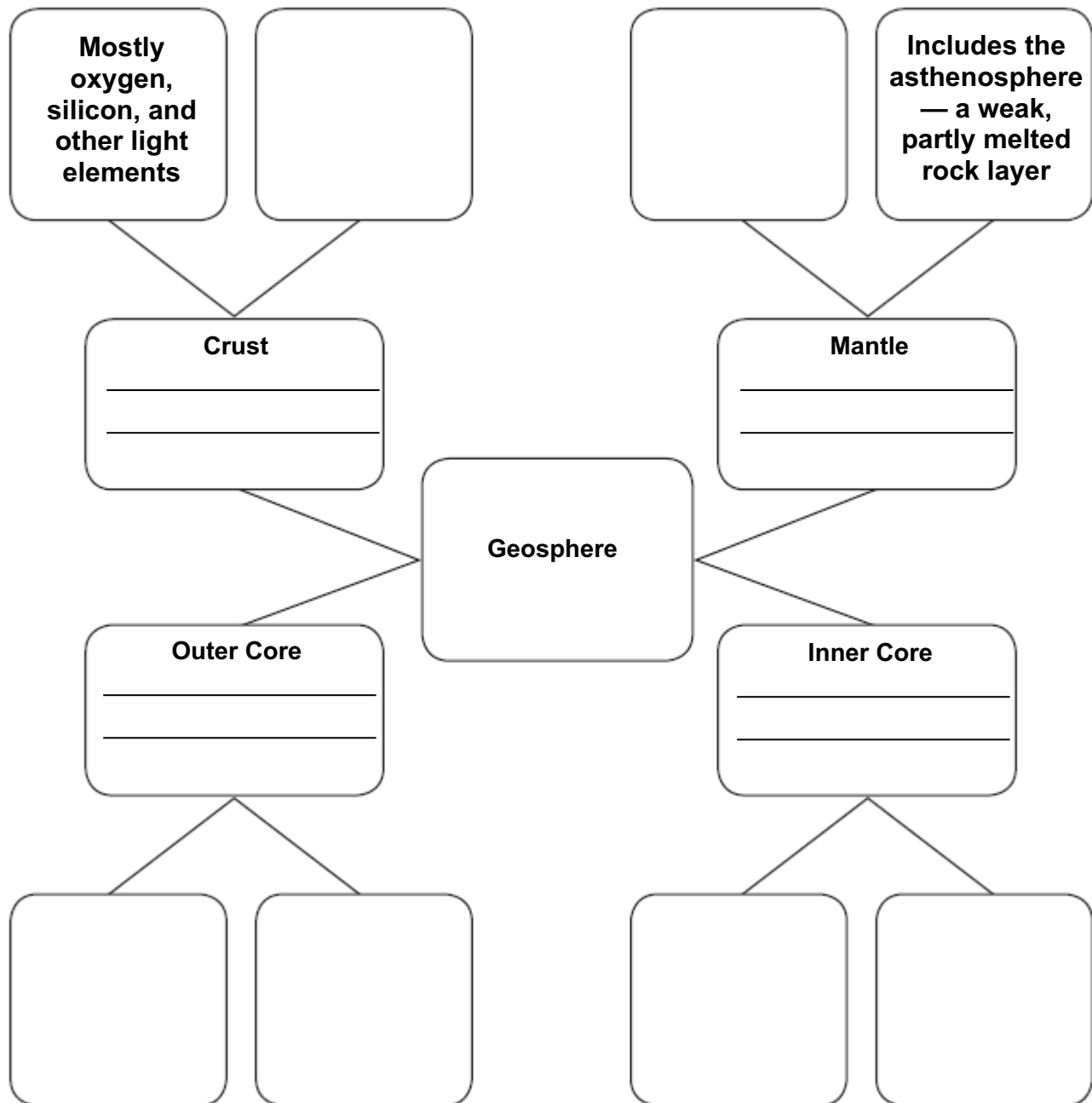
Directions: *Draw and label the layers of the geosphere in the space provided using the correct term from the word bank.*

crust**inner core****mantle****outer core**

The Geosphere

Directions: Use your textbook to complete the concept map. On the lines beneath each Earth layer, write a definition of the term. In the other boxes, describe the layer.

Layers of Earth's Geosphere



The Geosphere

Key Concept Why does the geosphere have a layered structure?

Directions: Label this diagram by writing the correct terms from the word bank on the lines provided. Some terms may be used more than once. Then use the diagram to respond to the statement on the line provided.

composed of iron

liquid

solid

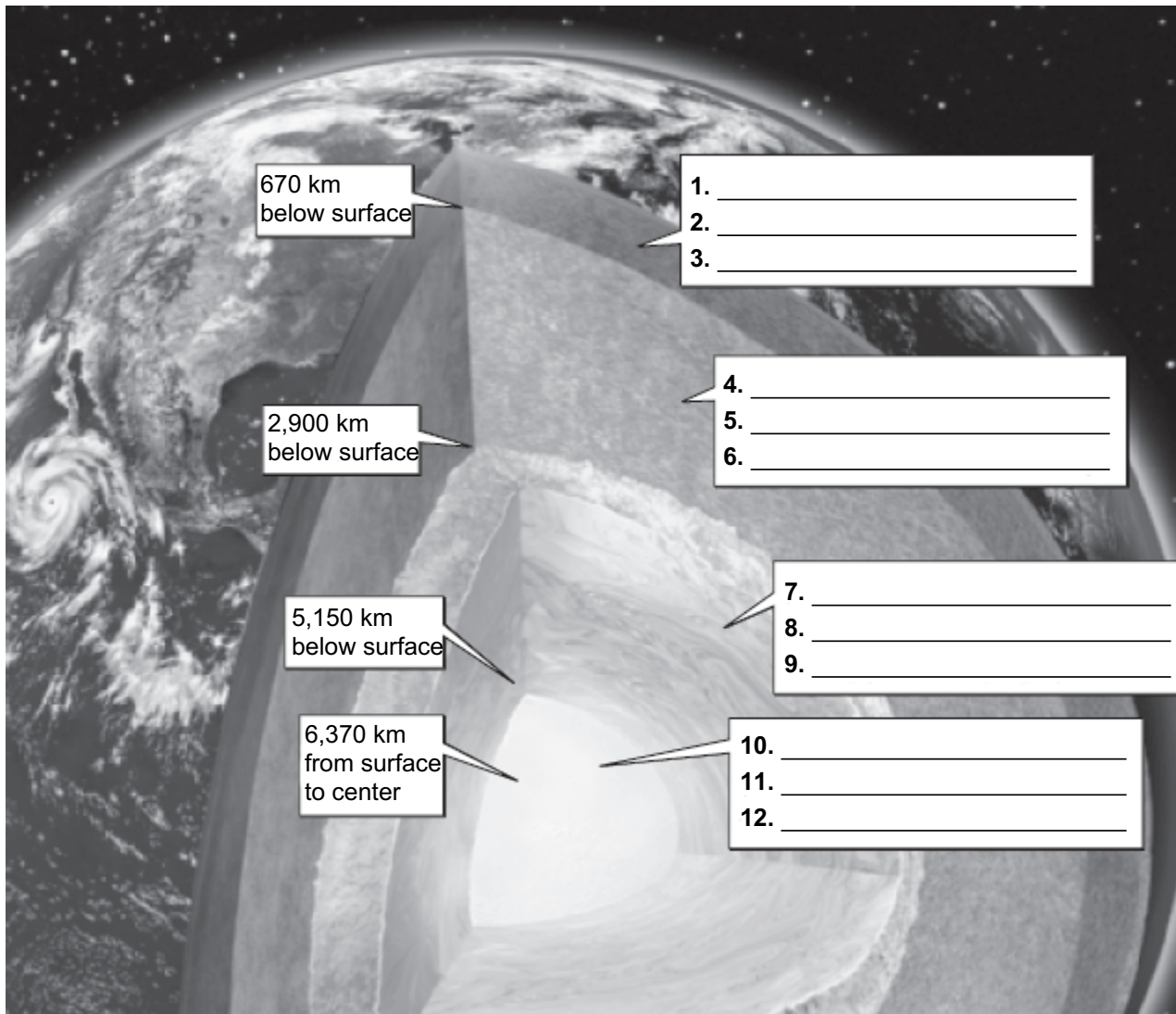
composed of magnesium and iron silicates

lower mantle

upper mantle

inner core

outer core



13. List the layers in order of density beginning with the least-dense layer.

Name _____ Date _____ Class _____

Key Concept Builder

LESSON 2

The Geosphere

Key Concept Why does the geosphere have a layered structure?

Directions: Answer each question in the space provided.

| Question | Answer |
|---|--------|
| 1. What are the three main layers of Earth? | |
| 2. Which layer of the geosphere is densest? | |
| 3. Which layer of the geosphere is the least dense? | |
| 4. When did Earth's layers form? | |
| 5. How did the temperature of early Earth affect rocks? | |
| 6. Earth's layers can be distinguished by density and what other property? | |
| 7. How did the temperature of early Earth compare to Earth's temperature today? | |
| 8. What role did gravity have in forming Earth's layered structure? | |

