5 minutes

STARTER ACTIVITY

1. What are the four major layers of the Earth?
2. Mention one material found in each part of the Earth's structure.

ANSWERS TO STARTER ACTIVITY

1.

Crust, mantle, outer core and inner core

Starter B: crust : iron, oxygen, silicon

mantle: iron, oxygen, silicon

outer core: iron, nickel, oxygen

inner core: iron and nickel.

TOPIC: Structure of the Earth

LESSON OBJECTIVE(S)

1. All of you will be able to explain the concept of continental drift.
2. Most of you will be able to define tectonic plates and also give examples of different tectonic plate.

KEY WORDS

I) Core

ii) Crust

iii) Mantle

iv) Molten

v) Continental drift

vi) Tectonic plates

LESSON OBJECTIVE(S)

CONTINENTAL DRIFT

- Alfred Wegener proposed that the continents were once united into a single supercontinent named Pangaea, meaning all earth in ancient Greek.
- He suggested that Pangaea broke up long ago and that the continents then moved to their current positions.
- He called his hypothesis continental drift.

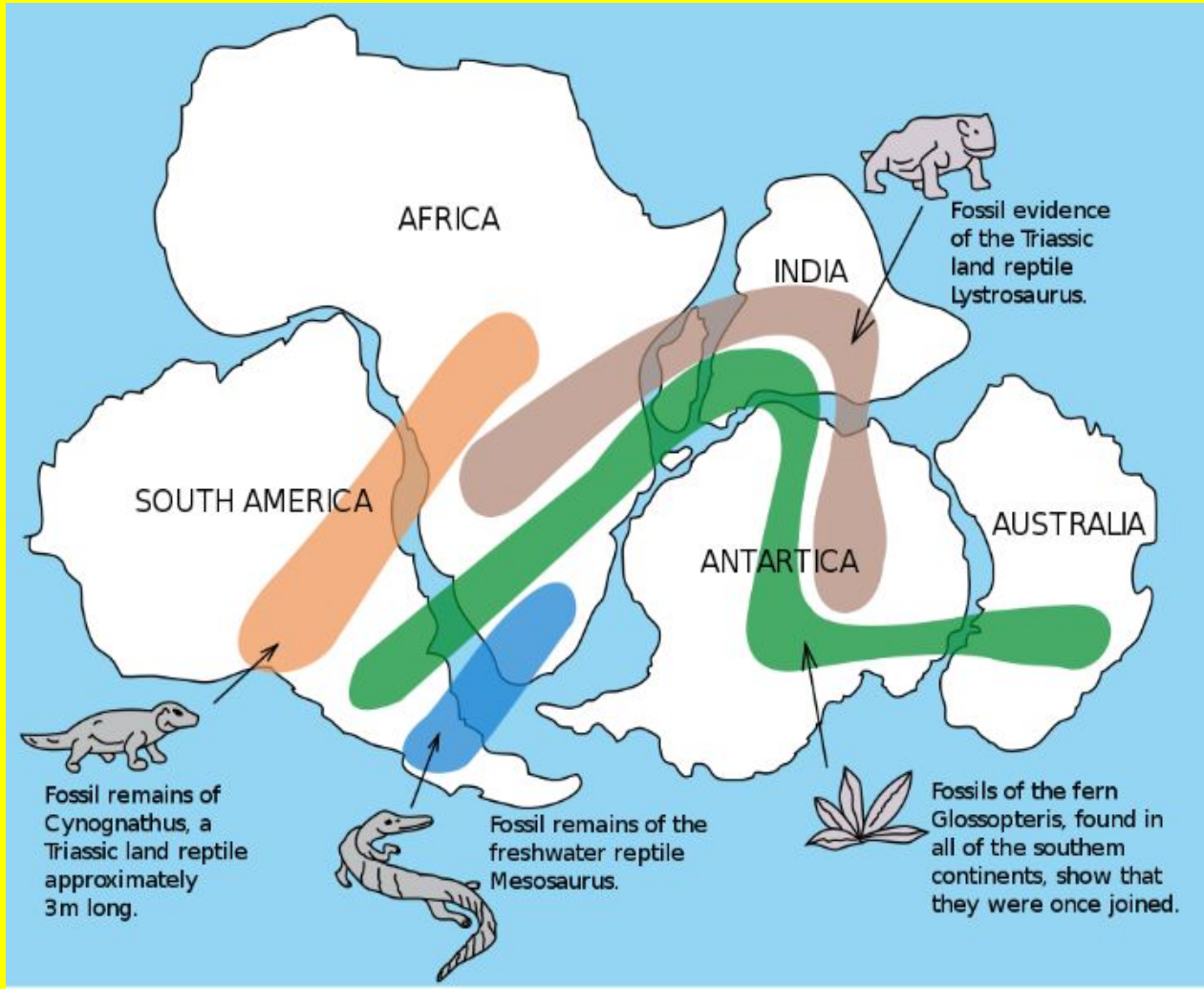
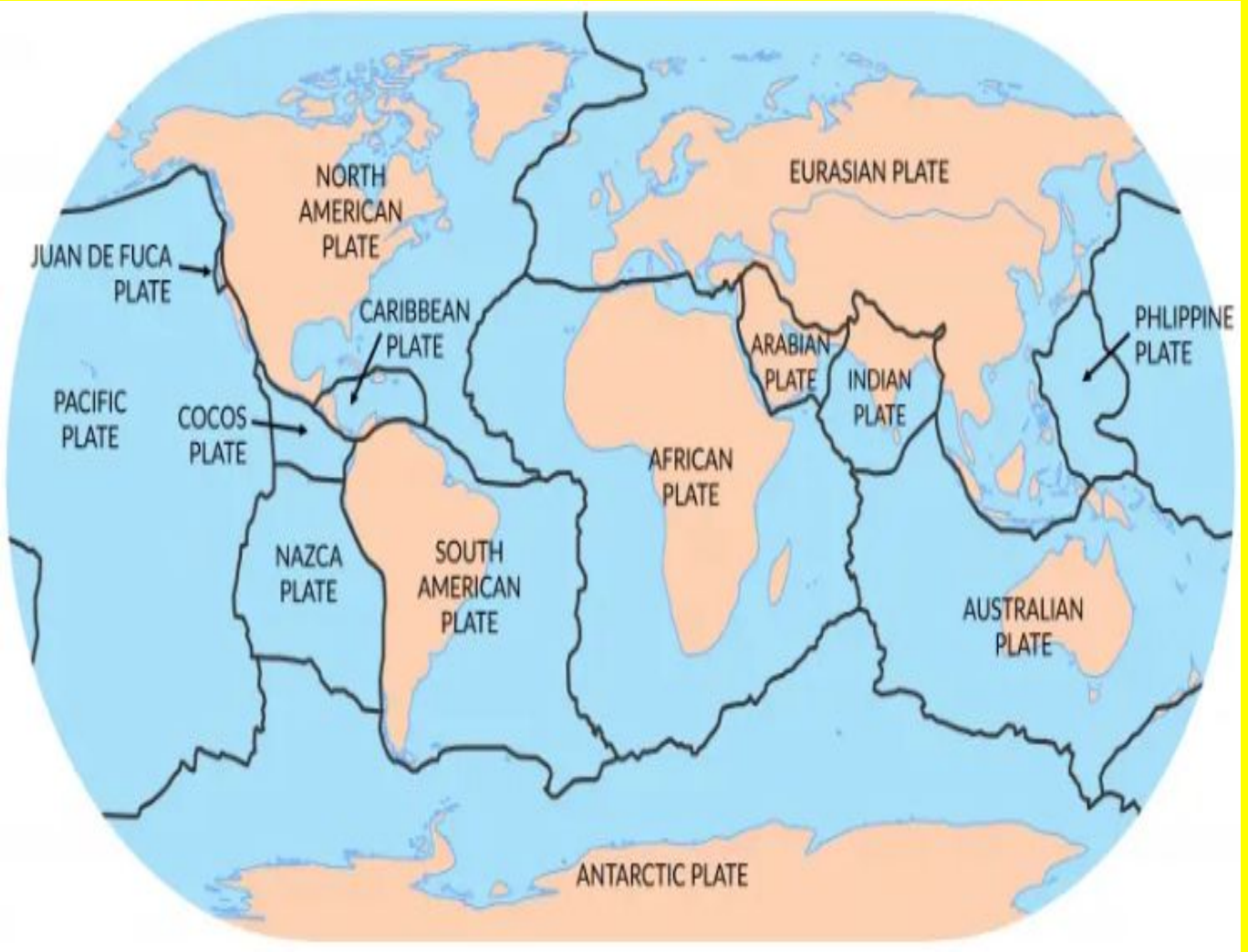


PLATE TECTONICS

- Plate tectonics is the theory that Earth's outer shell is divided into large slabs of solid rock, called “tectonic plates,”
- The driving force behind plate tectonics is convection in the mantle.
- Hot material near the Earth's core rises, and colder mantle rock sinks.



EVALUATION

1. What are the four major layers of the Earth?
2. Mention one material found in each part of the Earth's structure.
3. What are the Tectonic Plates?
4. Name the most common metal in the Earth's crust
5. Name the most common non-metal in the Earth's crust.