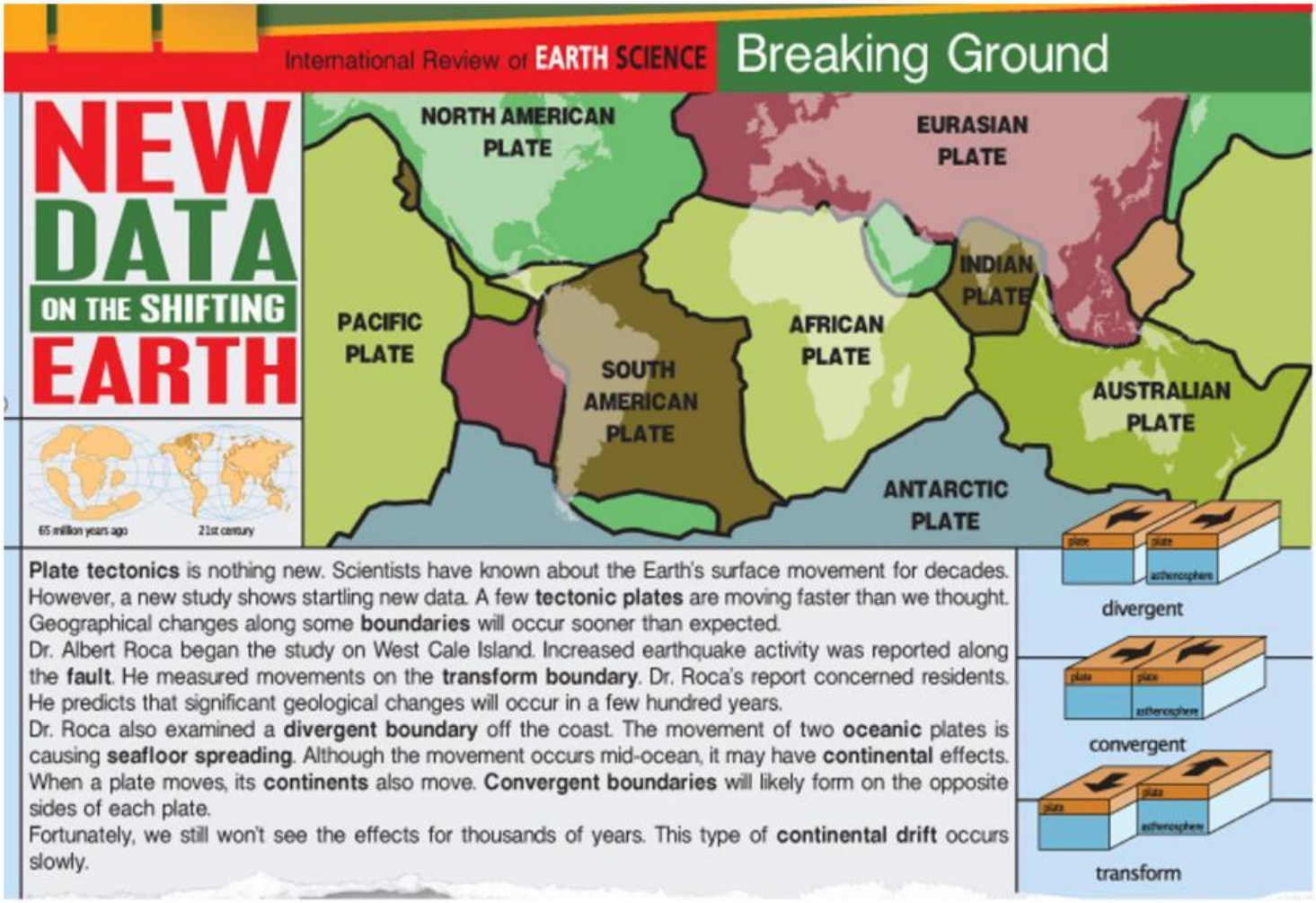

1. Read the article. Then, mark the following statements as *True* or *False*.

1 The fault on the island creates a transform boundary.	**True**	**False**
2 According to the study, oceanic plates are not likely to affect the continents.	**True**	**False**
3 The scientist predicts significant continental drift within a few hundred years.	**True**	**False**

2. Read the article again. When do continents move? Fill in the gaps.

Continents move when _____ _____ move.

3 Match the words or phrases with the definitions (A-F).

plate tectonics | continental | continental drift | oceanic | seafloor spreading | transform boundary

A the science of the movement of the Earth's surface _____

B the movement of land over time _____

C an area where two plates slide against each other _____

D the formation of new crust at the bottom of the ocean _____

E existing or occurring in the ocean _____

F existing or occurring on land _____

LIVEWORKSHEETS

4 Read the sentence pairs. Choose which word or phrase best fits each blank.

1 convergent boundary / divergent boundary

A) One plate moving under another plate forms a _____.

B) Plates moving away from each other form a _____.

2 faults / tectonic plates

A) Gaps in the Earth's surface create _____.

B) _____ slide against each other at transform boundaries.

3 boundaries / continents

A) The Earth's landmass is separated into several _____.

B) There are a few types of _____ between tectonic plates.

5. Use the words below to fill out the poster.

lava | alongside | forced | away | gap | towards

Earth Science: Tectonic Plates	
Boundary:	**Plate Movements:**
Convergent boundary	plates move _____ each other, one plate is _____ under the other
Divergent boundary	plates move _____ from each other, _____ rises to fill the _____
Transform boundary	plates move _____ each other on a fault

LIVEWORKSHEETS

6 Listen to a conversation between a student and an instructor. Choose the correct answers.

0:00 / 0:00

1 What is the main idea of the conversation?

- ○ **A** when tectonic plates are most likely to collide
- ○ **B** how to identify different types of boundaries
- ○ **C** where to find notable faults on major continents
- ○ **D** which movements cause the most surface disruption

2 Which concept confuses the woman?

- ○ **A** transform boundaries
- ○ **B** continental drift
- ○ **C** seafloor spreading
- ○ **D** divergent boundaries

Listening

7 Listen again and complete the conversation.

0:00 / 0:00

Student: Mr. Albee, I'm a little unclear about the plate boundaries.

Instructor: Okay. What's confusing?

Student: I know that a divergent boundary forms when plates move away from each other.

Instructor: That's right. And which boundary forms when they move towards each other?

Student: Well, that's what I'm not sure about. The book says it's a convergent boundary. But plates also move in opposite directions at a transform boundary.

Instructor: Sometimes, two plates collide. One plate is forced under another plate. That's a convergent boundary.

Student: Okay. So the plates don't collide at a **1)** _____ _____?

Instructor: No. They just **2)** _____ _____ _____ each other.

Student: I just can't picture it. What's **3)** _____ _____?

Instructor: Imagine two cars on a road. They pass each other while traveling **4)** _____ _____. That's like what happens at a transform boundary.

Student: Oh, I think I get it. One slides **5)** _____ _____ _____ of the other.

Instructor: That's **6)** _____.

LIVEWORKSHEETS

8. Listen to a conversation between a reporter and a geographer. Mark the following statements as *True* or *False*.

0:00 / 0:00

1 The woman predicted the earthquake.	**True**	**False**
2 Seismologists were surprised to discover the fault zone.	**True**	**False**
3 The earthquake occurred along a transform boundary.	**True**	**False**

9. Use the words below to complete the summary on plate tectonics.

separation | theory | interact | evidence | type | three | careful | divergent | surface | ridges

Geology 201 Essay

Plate Tectonics

Plate tectonics is the science of the movement of the Earth's [ ]. Prior to plate tectonics, scientists debated a [ ] called continental drift. It's a companion theory to plate tectonics. Through [ ] research, plate movement was proved through physical [ ].

There are [ ] major types of boundaries. Convergent, [ ], and transform boundaries are locations where plates [ ] in some way. The interaction may be a collision, [ ], or subduction.

Depending on the [ ] of movement, certain geologic features develop. Oceanic [ ] and trenches are the result of plate movement.

10. Match the sentence halves to form complete sentences expressing purpose. Write the letters in the boxes:

1. Geologists study convergent boundaries……
2. Seismologists use seismographs……
3. Engineers design stronger buildings……
4. Scientists monitor fault zones……

LIVEWORKSHEETS

5. Governments invest in early warning systems…..

Options to choose from:

a. so that they can detect even minor tremors.
b. with the aim of protecting people during seismic events.
c. for the purpose of reducing casualties during earthquakes.
d. to understand how mountains are formed.
e. so as to improve the quality of urban transportation.
f. in order to predict potential earthquakes.

LIVEWORKSHEETS