Lesson Transcript CP3

Teacher: “Good morning, class! Today, we'll explore how the Earth's surface moves and changes over time. Let's start with a story.”
[She opens the book and begins reading. While most students are engrossed, a few appear distracted.]
Teacher: “...and that's why continents look like they fit together like puzzle pieces!”
[She closes the book.]
Teacher: “So, can anyone explain to me what plate tectonics is?”
[Many hands rise, but one student, Timmy (Target Student), is poking his neighbor.]
Teacher: “Timmy, please have a seat.”
[Timmy sits down, looking a bit embarrassed.]
Teacher: [Pointing to a non-target student] "Yes, Jenny?"
Jenny (non-target student): “It’s like pieces of Earth's crust that move around on the molten rock below?”
Teacher: “Good job, Jenny! That's correct. The Earth's crust is broken into pieces called tectonic plates, and they float and move on the semi-fluid layer underneath called the mantle.”
Teacher: “Now, when these plates move, what do you think happens?”
[A few hands shoot up.]
Teacher: [Pointing to another student] “Jason?”
Jason (non-target student): “Um, they can crash into each other or move away?”
Teacher: “Excellent response, Jason! When plates move towards each other, it's called a convergent boundary; when they move apart, it's a divergent boundary.”
Teacher: “Alright, let's watch a short film to see this in action.”
[The lights dim, and a captivating animation about plate tectonics begins. The students are visually drawn to the movements and collisions of the plates.]
Teacher: “Timmy, remember to pay attention. This will help with our next activity.”
[The video ends and the lights come back on.]
Teacher: “Now, I'd like you all to open your science journals and write down three things you've learned about plate tectonics.”
[The sound of pens and pencils moving fills the room. Timmy is writing too.]
Timmy: “Can I go to the bathroom?”
Teacher: “Ok but go quick and remember to wash your hands.”
[Timmy leaves]
Teacher: “Who would like to share something they wrote?”
[A few hands go up.]
Teacher: [Pointing to a student named Ana] “Ana, what did you write?”

Ana (non-target student): "I wrote that when two plates push against each other, they can form mountains!"
Teacher: "Exactly, Ana! When two plates converge or come together, they can push the Earth's crust up to form mountain ranges. Great observation!"
Teacher: [Looking around the room and pointing to another student] "And Carlos, what about you?"
Carlos (non-target student): "When plates move apart, like in the middle of the ocean, new crust can form?"
Teacher: "Absolutely right, Carlos! At divergent boundaries, especially at mid-ocean ridges, molten rock or magma rises from the mantle to form new crust as it cools. Well done!"
[There's a slight pause, and then the door quietly opens as Timmy returns.]
Teacher: "Welcome back, Timmy. Did you catch what Carlos just shared?"
Timmy: "Um, something about new crust forming in the ocean?"
Teacher: "Yes, exactly! I'm glad you caught that."
[After the brief discussion, the bell rings]
Teacher: "Great job today, class! We'll be ending a bit early for lunch today. Remember to think about how our Earth moves beneath our feet!"