

# Grade 5 English Language Arts

Week of January 25 – January 29

## Lesson 5: Biographer

### Meet a Biographer



Meet the Author - Elizabeth MacLeod: <https://youtu.be/fWJk-NG3Pmo>

### Text Structures

Use your *Text Structure Scramble* cards to make sure you can identify what the nonfiction text structure of different paragraphs.

Are you ready for a quiz? Practise on the following paragraphs. Figure out if a paragraph is sequential, compare and contrast, cause and effect, or problem and solution.

Is the paragraph...	
<b>Sequential, Compare &amp; Contrast, Cause &amp; Effect, OR Problem &amp; Solution?</b>	
1. The surface of the Earth is divided into pieces called "tectonic plates." These plates move. When the plates rub against each other, they do not move smoothly. When the plates do not move smoothly, earthquakes result. Some parts of the world get more earthquakes than other parts. The parts of the earth that get most earthquakes are near the edges of these plates.	
2. Some countries, such as Japan, or parts of a country, like California in the United States, have a lot of earthquakes. In these places it is a good practice to build houses and other buildings so they will not collapse when there is an earthquake. This is called seismic design or "earthquake-proofing".	
3. The ability of a building to withstand the stress of an earthquake depends upon its type of construction, shape, mass distribution, and rigidity. Different combinations are used. To reduce stress, first, the building's ground floor must be flexible. One method is to support the	

ground floor with extremely rigid, hollow columns, while the rest of the building is supported by flexible columns located inside the hollow columns. A different method is to use rollers or rubber pads to separate the base columns from the ground, allowing the columns to shake parallel during an earthquake. Next, the outdoor walls should be made with stronger and more reinforced materials such as steel or reinforced concrete. Then, to help prevent collapsing, the roof should be made out of light-weight materials.

4. A hurricane is a large storm with heavy winds and rain that begins in the ocean and builds up strength as it moves across the water. While some of the damage caused by hurricanes is from high winds, most of it is usually from tidal surge, flooding entire cities, and killing large numbers of people. A tornado is a storm that develops on land, with no warning, and moves in a circular motion with heavy winds with a funnel shape, picking up and carrying dirt, dust, and even objects. The damage caused by tornadoes is from the high velocity winds, which are extremely destructive and deadly. They can demolish entire neighborhoods in a matter of a few seconds to a few minutes. Tornadoes can form when hurricanes make landfall, as their winds at ground level slow down, while the winds near the top keep their momentum, but a hurricane cannot be created by a tornado.