**Earthquake prediction**

This challenge is called Earthquake prediction. Earthquake prediction is a technology to predict earthquakes related to the science of seismology. The science of seismology is a subject that solicitudes specifying the time, location, and magnitude of future earthquakes within stated limits, especially determining parameters for the next strong earthquake to occur in a region. According to the excerpt, too many people have been damaged by the earthquake. Most of the hurt was because people did not have enough time to prepare for the earthquake. To people in an earthquake, the disaster happens immediately; people have no time to run to a safe place or strengthen their houses. Therefore, people are suffering from it a lot. These technologies are essential because they help save people’s lives in an earthquake. For example, if the earthquake can be predicted three minutes before it happens, people can run to a safe place; if 10 minutes before it happens, people can transfer their valuables. If one day or even one week, people can minimise their property losses! I rate this challenge as a 9 out of 10 because a recent study said no valid short-term prediction existed. Extensive searches have reported many possible earthquake precursors, but such precursors have yet to be reliably identified across significant spatial and temporal scales. While part of the scientific community holds that considering non-seismic precursors and given enough resources to study them extensively, prediction might be possible, most scientists are pessimistic, and some maintain that earthquake prediction is impossible. So, I have a question: will it be possible to predict the earthquake at least a few hours before? If achieved, millions of lives can be saved, and earthquakes can no longer be the deadliest disaster for humans.

**Exercise E – Carbon Capture and Sequestration**

This challenge is called Carbon Capture and Sequestration. Carbon capture is a process that confines and separates carbon from industry or the environment; Carbon sequestration is a process that stores carbon dioxide from the atmosphere in Earth’s system. According to the excerpt, global temperatures are becoming higher and higher, and the amount of greenhouse-gas emission are not affording the prevention. These technologies are essential because they help us solve the complex problems that make global temperatures high. I rate this challenge as an 8 out of 10 because it needs the improvement of technology and the support of the United Nations of the World. However, from my point of view, this is hard to achieve because nowadays many countries pay more attention to their economy but not the environment. Some countries use setting protection to be politically correct and only activate by mouth. So, I have a question: When and how can each county put the environmental problems up to the top place and unite actually to solve this problem?