Concepts in geology is useful and give us overview and good scientific background in our challenge and was very helpful for us to understand the challenge and know how to find the suitable solution for it. Mainly we get more information on the industries, rocks, and energy. In geology ES.2.08 we learnt about evolution, geosphere, atmosphere, and subduction.

There are many industries related to the land and the geosphere generally. Specially in energy industry we work on extracting petroleum and natural gas, or coal mining. We learnt in geology the subduction, where we knew that lower layers are higher density. And upper layers are less density. While coal mining we can determine the most suitable layer by the density. And by search we knew that higher-density coal – which found in lower layers is more efficient and cause less environmental impacts. That will be useful when we select the layer depending on the concept of subduction.

We also learnt about outgassing. Outgassing is a process where there are gases emit to the air like carbon dioxide CO2, sulfur dioxide SO2, or water vapor. This help determining the source of pollution from industries, then we can go more through the process and try to modify, edit, or add something to help in reducing the environmental impacts from it. That what will achieve our challenge.