Objective: To become familiar with the causes and effects of current issues related to energy production through participating in a student-led class discussion.

Procedure:

* Read assigned energy article. Annotate the article using the “closed reading rubric”, being sure to pay attention to the causes and effects of the issue.
* Discuss the article with students who read the same article. Discuss the situation described in the article, its causes, and its effects. Prepare how you will share this information with the rest of the class.
* In small groups, share the information that is presented in the specific article. Take turns presenting each article. Complete the table below for each issue. **Group 1: Brenda, Luciano, Omar, Tyrell, Flor, Analisa. Group 2: Ben, Konstance, Quinn, Kevin, Mitzi.**

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| **Topic** | **Description** | **Causes** | **Effects** | **Impacts** |
| *Example – Gold King Mine* | *Release of toxic wastewater from tailings pond from gold mine.* | *Accidental destruction of plug by EPA during routine inspections.* | Release of heavy metals into nearby waterways. | Bioaccumulation in fish; Decrease in biodiversity; food web collapse |
| CA natural gas leak(Brenda, Ben) |  |  |  |  |
| Martin county slurry spill(Luciano, Konstance) |  |  |  |  |
| Big branch coal mine collapse(Omar) |  |  |  |  |
| Keystone XL pipeline(Tyrell, Quinn) |  |  |  |  |
| BP oil spill(Flor, Kevin) |  |  |  |  |
| Fukushima nuclear disaster(Analisa, Mitzi) |  |  |  |  |