

ESPC 2014 - Windsor (Ontario)



Maxmillion Werner-Fisher

Fracturing Our Future

Défi: Environnement

Catégorie: Intermédiaire

Région: Western Manitoba

Ville: Shilo, MB

École: École La Source

Sommaire: The hydraulic fracturing process requires the use of many chemicals with water to make a solution. This solution is mixed with sand and injected into the ground, it expands the fractures allowing natural gases/oils to be released. This solution, although very beneficial in extracting gases/oils, is very toxic. I recreated this solution and tested it on plants to study the effects of this process.

Biographie

I first found the idea of my project while reading a national geographic. The subject was about hydraulic fracturing and how it functions and its affects. The subject intrigued me a lot since I have never heard of the process. I also noticed the magazine was debating more about the negative things in hydraulic fracturing rather than the positive. When I asked my friends about hydraulic fracturing they had no idea what it really was. I was now convinced that this is the subject I would like to investigate to show people the effects of hydraulic fracturing on our environment. I would not be able to suggest a more environmental friendly process to replace hydraulic fracturing. How ever I would suggest putting restrictions to how long the hydraulic fracturing process is being used in a area. If I were to further this experiment I would have tested on living organisms such as a mouse. Although would not like to hurt a animal but I must discover if hydraulic fracturing has a affect on wildlife. This is important because hydraulic fracturing could pollute the water that farm animals drink even more the people that are closer to hydraulic fracturing.