

Hydraulic Fracturing WebQuest – October 2014

Name: _____ Per: _____ Date: _____

Instructions: Use the following websites to answer the questions regarding hydraulic fracturing.

<http://www.cnn.com/2010/US/09/13/fracking.explainer/index.html>

Click through the frames to learn about the process.

1. What is hydraulic fracturing?
2. Why is a concrete casing used while fracking?
3. About how deep are the wells?
How far might they extend horizontally?
4. What is the perforating gun used for and what must it overcome?
5. What materials are used to keep the fractures from closing?
6. Why is it important to keep the fractures propped open?
7. What happens to the fracturing fluids once they return to the surface?

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Next- search “fracking in Gates Mills, Ohio” – find a few articles to read and summarize your findings below.

http://www.cleveland.com/hillcrest/index.ssf/2014/09/anti-fracking_bill_of_rights_w.html

<http://www.cleveland.com/hillcrest/index.ssf/2014/09/fracking.html>

http://mirkwoodforest.net/Gates_Mills_Gas_Well_Safety_Committee/Write_Your_Government.html

Provide the answers to following questions in your summary:

1. What are the names of the shale rock in this region?
2. What are some of the reasons residents are concerned with fracking in Gates Mills?
3. What are some ways residents can get involved to prevent fracking from continuing in the area?
4. How many vertical wells are already in the Gates Mills?
5. What is Issue 51?