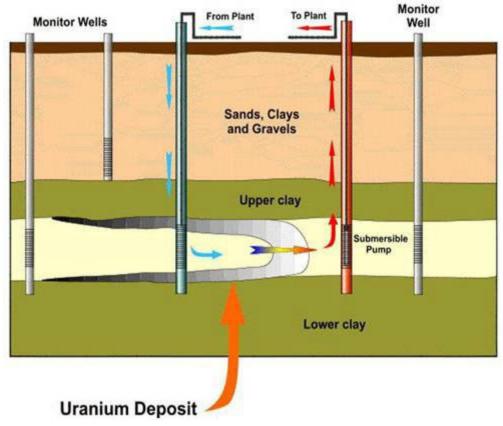
## **Uranium Mining Methods Worksheet**

Name:	Date:							
	o mine uranium in your area. The company is trying to determine which vants to use based on considerations like:							
<ul><li>and cause health cond</li><li>Safe disposal or storage</li></ul>	Other radioactive materials like radium and radon gas that can contaminate the environment and cause health concerns.  Safe disposal or storage of the mining waste.  The protection of the health of the workers, nearby community members and the environment.							
society, the economy	he benefits and impacts each mining method may have on the local and the environment.  ight be for or against allowing the mining method in your area.							
Underground Mining Source: National Institute of Environmental Health Sciences	Underground mining involves digging and removing rock through a tunnel or opening the side of a hill or mountain. Miners must work underground in tunnels.  Benefits:  Impacts:  For  Against							
Elivionii cital incatal secinces	Open-pit mining involves stripping away or excavating the topsoil and rock that lie above the uranium ore.  Benefits:  Impacts:							
Open Pit Mining	For Against							

Source: U.S. Geological Survey

In-situ leaching involves treating ore deep underground with chemicals to dissolve the uranium and then pumping the liquid to the surface. This method is feasible in deposits that are saturated and have high permeability. This method is the most common method used in the U.S. through wells.



Source: World Nuclear Association

Open-pit mining involves stripping away or excavating the topsoil and rock that lie above the uranium

ore.	•	•		
Benefits:				
Impacts:				
For	Agains	it		