

**Akzhan Mashani Institute of General Education  
English Language Department**



**SATBAYEV  
UNIVERSITY**

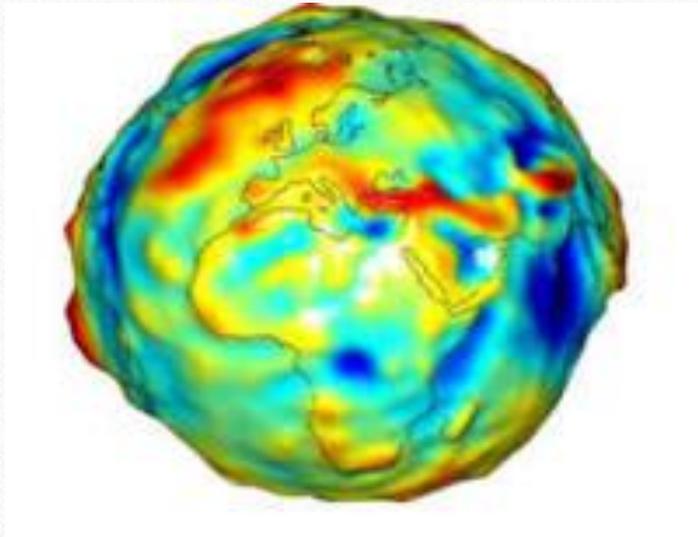
**SIS # 1**

**Topic: Oil and gas and or geophysics  
Evaluation Criteria**

№	Assessment scale	Number of points	
		Max	Yours
1	Topic sentence: the speaker clearly formulates and states the topic sentence.	1	
2	Content: content reflects knowledge and understanding of the topic	2	
3	Word choice: the student's word choice reflects excellence of vocabulary knowledge	1,5	
4	Conventions: Few or no errors in grammar, spelling, capitalization, and punctuation.	0.5	
5	Overall	5	

**Almaty 2020**

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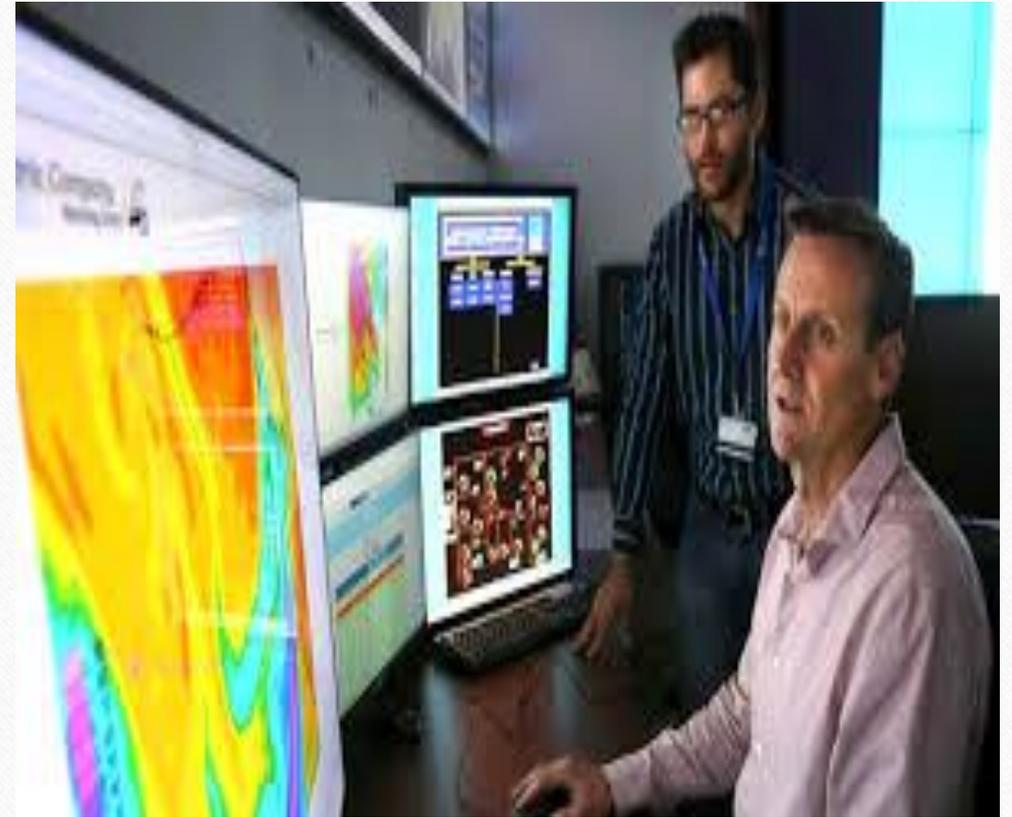
## Oil and gas and ore geophysics



**Purpose:**the purpose of my work is to introduce you to my specialty

The scientist geophysicist explores the origin, evolution, structure, properties of the Earth and the processes occurring in it and its shells. Applied geophysicist engaged in seismic exploration. This method is based on the study of the propagation of elastic waves in the earth's crust, caused by an explosion or shock.

Given the propagation time of these waves and the nature of their oscillations, geophysicists get an idea of the composition of the rocks and the presence of minerals in a given area. After the discovery of geophysics, its reserves are evaluated, methods of rational development are developed that will not harm the environment. Using methods of geophysical exploration, geophysicists are engaged in the exploration in the earth's crust of oil and gas, ore minerals and groundwater.



- What geophysics studies?

Geophysics is a collective concept. It includes a lot of individual sciences that study the different physical processes that occur with our planet.

- The main task of this science?

Now the main task of this science is geophysical exploration. Thanks to it, scientists can determine the alleged places of occurrence of minerals, the size of deposits. They are studying the feasibility of developing quarries, opencasts, mines and pools.

- History search useful

The search for minerals began with the development of the Bronze Age. People were looking for material for tools that would be much stronger than stone, suitable for making weapons and for domestic needs. These were the first geological explorations, but they are very far from modern times.

Profession Features: Now this profession is gaining popularity, because the study of the processes that occur inside and outside the planet is very interesting. Geophysics for children will be difficult, so its study can be started at the university. To understand this topic well, initially, at the school stage, it is worth paying attention to several disciplines:

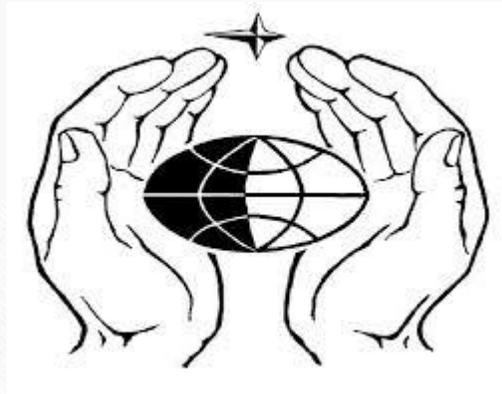
Physics;

Maths;

Natural science;

Chemistry;

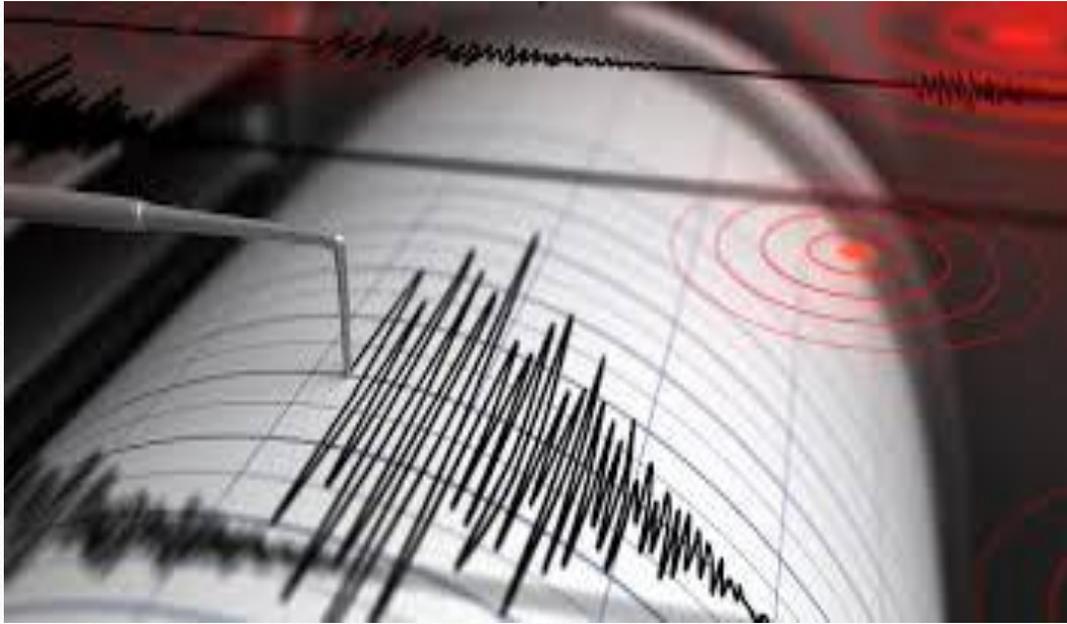
Geography.



Before you become a geophysicist, you need to determine the direction of activity. The main task of specialists is to carry out geological exploration, but it can be an engineer, an oilman, a seismologist, a geodesiologist, a geologist, a physicist. When studying science, it will be important to pay attention to the measuring device, because they are the eyes of a real geophysicist. Thanks to the calculation of indicators, specialists accurately determine the location of ore deposits, non-metallic minerals, combustible liquids and gases.

The workplace of a specialist in this industry can be located both at the Institute of Geophysics and directly at the place of study. Most employees go to wells, where geophysical exploration and processing of information already received is carried out. Through calculations, the use of measuring instruments and computer programs, the geologist geophysicist draws up field plans and evaluates the profitability of their development.





The subject of studying geophysics is global warming. By researching permafrost territories, scientists record changes on which the behavior of the cryosphere layer of the earth depends



## **Conclusion**

Geophysics is a science that studies the features of the development of the planet, the impact on it of internal and external factors

## **Independent study project proposal**

The topic that I would like to study, the specialty that I am currently studying and with whom I will become Because I want to know what role my profession in Kazakhstan plays and interesting facts about my profession. Find out where I can work. It will be interesting to my classmates, because we all have different professions and I think it will be interesting for them to know each other's profession.

Thank you for attention!!!

