**Conversational Topic**

**MY FUTURE PROFESSION**

**Активная лексика**

**(в порядке встречаемости в тексте)**

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| **Профессиональная лексика** |
| the origin of the Earth – происхождение Земли; |
| the interior of the planet – недра планеты; |
| exploration and production of valuable resources – разведка и добыча полезных ископаемых; |
| coal – уголь; |
| petroleum – нефть, нефтепродукты; |
| natural gas – природный газ; |
| geophysicalsurvey – геофизическая съемка, геофизическое исследование; |
| remotesensing/aerialphotography – дистанционное зондирование/ аэрофототопографическая съемка; |
| resource evaluation – оценка ресурсов; |
| drilling – бурение, буровые работы; |
| explosives – взрывчатые вещества; |
| minimizing damage to the environment – минимизация ущерба окружающей среде; |
| Prediction and mitigation of natural hazards – предсказание и уменьшение воздействия природных катаклизмов; |
| earthquake – землетрясение; |
| eruption – извержение (вулкана); |
| landslide – оползень. |

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| **Общеупотребительная лексика** |
| in the nearest future – в ближайшем будущем; |
| As we know – как мы знаем, как известно; |
| todealwith – иметь дело с; |
| todoit – *здесь:* чтобы сделать это; |
| Scientific background – научная база, теоретическая подготовка; |
| data – данные, информация; |
| employment – работа, трудоустройство; |
| appliedaspects – прикладные аспекты, практическая направленность; |
| bymeansof – с помощью, посредством; |
| besides – наряду с, кроме того (вдобавок); |
| civilengineering – гражданское строительство; |
| thus – таким образом;  application – применение;  that’swhy – вот почему, поэтому. |

**In the nearest future**, I hope to become a geologist. I have chosen this profession, because geology plays a very important role in our life.

*Theoretical aspects of Geology (What does Geology study?)*

**As we know**, geology is the study of the planet Earth. Geology **deals with** many things: a) **the origin and development of the Earth**, b) the materials which make it up, c) the structure of the surface and **the interior of the planet**, d) the processes which act on and within the Earth. Geologists interpret these physical, chemical and biological processes which operated on the planet during 4, 500, 000, 000 years of the planet’s history. **To do it**, a geologist must have a broad **scientific background** which will help to analyze theoretical **data** and also to find **employment**.

*Applied aspects of Geology*

It is easy for a geologist to find employment because geology has many **applied aspects**. For example, the geologist deals with **exploration and production (excavation/mining) of valuable resources** – mineral resources (such as metals and building materials) and energy resources (such as **coal**, **petroleum** and **natural gas**). Exploration techniques are different: like **geophysical survey** (to check the gravity, magnetism, and radioactivity of the area), **remote sensing/aerial photography** (for orientation information), **resource evaluation**, etc. Mining operation usually involves **drilling** methods, excavating minerals **by means of** boring machinery and **explosives**.

**Besides** exploration and production of mineral resources, there are other important applications of geology, for example **minimizing damage to the environment**, **prediction and mitigation of geological hazards** (such as **earthquakes**, volcanic **eruptions** and **landslides**). A geologist is also an essential member of **civil engineering**, involved, for example, in the construction of bridges, dams and tunnels.

**Thus**, the science of geology and its many **applications** are useful to the economy of the world nations. **That’s why** I want to be a member of some geologic team.

**Exercises**

**Ex. 1 Make sure that you know the following words and word-combinations.**

Resource evaluation, prediction and mitigation of geologic hazards, exploration and production of mineral resources, геофизическая съемка, землетрясения, оползни, недра Земли, взрывчатые вещества.

**Ex. 2 Finish the sentences.**

1. Geology deals with many things: a) …, b) …, c) … d) … .

2. The major applications of geology are: a) …, b) …, c) …, d) … .

3. Valuable resources include 1) …, and 2) … .

**Ex. 3 Answer the following questions.**

1. What is your future profession?

2. Why did you decide to become an exploration geologist?

3. What does geology study?

4. What are the major applications of geology?

5. Where can a geologist find employment in our country?

6. What are the three chief groups of major resources?

**Ex. 4 Translate.**

1) the origin of the universe – происхождение животных;

2) the development of Mars – развитие промышленности;

3) by means of advanced technologies – с помощью бурильных машин;

4) applied anatomy – прикладная математика;

5) civil war – гражданское строительство;

6) scientific background – научная школа;

7) valuable time – ценная информация (данные);

8) remote location – отдаленное будущее;

9) natural hazards – природный газ;

10) minimizing the risk of infection – минимизировать ущерб;

11) prediction and mitigation of tsunamis – предсказание и уменьшение воздействия землетрясений;

12) to deal with many problems – иметь дело с многими людьми;

13) to mine coal – добывать полезные ископаемые.

**Ex. 5 Translate into English (using the words in the brackets).**

1. Где находится ближайшая гостиница? (*the nearest*) – **Where … ?**

2. Эта скважина была пробурена с помощью специальной установки. (*by means of*) – **This well was drilled … .**

3. Он не очень ответственный работник. Кроме того, он всегда опаздывает. (*besides*) – **He is not really …** **.**

4. Я должен разобраться с этими письмами сегодня. (*deal with*) – **I have to … .**

5. Вот почему я выбрал наш университет. (*that’s why*) – **That’s … .**