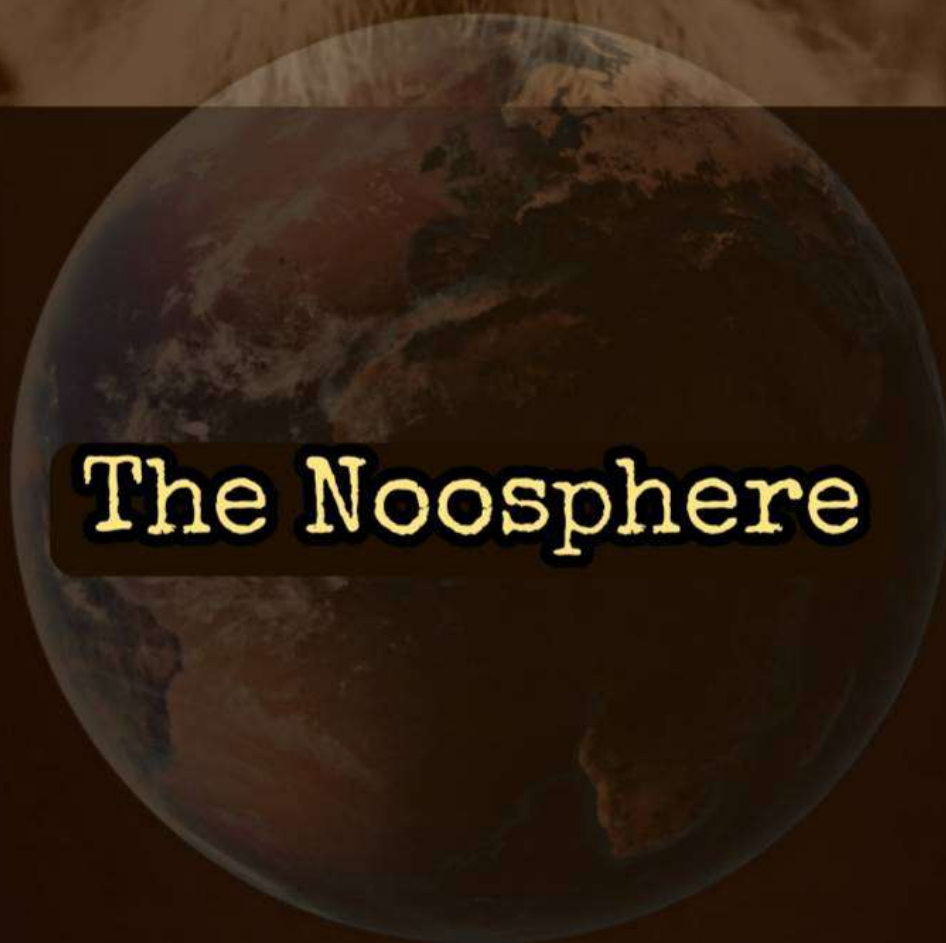


Внутривузовская олимпиада по  
иностранному языку ВолгГТУ



**The Noosphere**

Волгоград 2021

## READING

### Task I. Read an excerpt from V. Vernadsky's article on the Noosphere

We live in an unprecedented new geologically bright era. Nowadays the biosphere is passing into a new evolutionary state - the Noosphere, created by the scientific thought of man.

Man, by his labor and by his conscious attitude to life, processes the earth's shell - the biosphere. He remodels it into a new geological state. Human research activity initiates new biogeochemical processes that did not exist before. At present, such planetary phenomenon as biogeochemical history of chemical elements is changing dramatically. On the face of the Earth, for example, new free metals and their alloys that have never been on it are designed in huge masses. These are, for example, technetium, flerovium, borium and plutonium. Plant and animal life is drastically altered and disrupted. New races and species are invented. Technogenic landscapes replace biogenocenoses or, in simple terms, natural landscapes. The face of the planet alters profoundly. The Noosphere stage is being formed.

The Noosphere is one of the phase successions in the Earth development. Just as the emergence of life fundamentally transformed the geosphere, the emergence of human cognition now fundamentally revolutionizes the biosphere. The social phenomena of legal, educational, religious, research, industrial and technological systems become part of the Noosphere. In this sense, the Noosphere is constituted by the interaction of human minds.



*V. Vernadsky*

# READING

## Task II. Unscramble the definition

The Noosphere - \_\_\_\_\_.

by is the search world developed scientific

**Task III.** Find in the text and write down the main features of the Noosphere. Use 2-4 words for each number

No	Main features	Prompt
1	_____	scenery
2	_____	what people do
3	_____	cooperation

**Task IV.** According to the information from the text, distribute the features belonging to the Noosphere and the Biosphere

park Fe mallow the natural water cycle forest  
trace elements cycle Tc mukaltin tablets

Noosphere	Biosphere



*T. Beyrad*

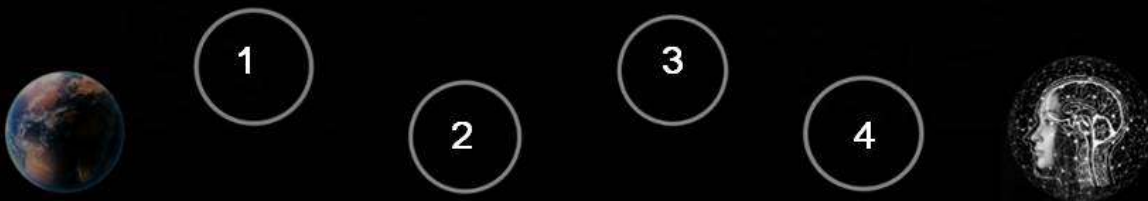
# WORD FORMATION

## Genealogy of the Noosphere

**Task I.** Form the names of the Earth spheres

- A  \_\_\_\_\_ Zoology
- B  \_\_\_\_\_ Geology
- C  \_\_\_\_\_ Biology
- D  \_\_\_\_\_ Anthroposociology

**Task II.** Google the information about the Noosphere. Put the names of the spheres A-D from Task I in the historical sequence 1-4



# GRAMMAR

Notes by Academician V.I. Vernadsky

## Task I. Put the verbs from the brackets into the correct tense

1. By the 20<sup>th</sup> century, man ... the entire Earth (to settle).
2. Since the beginning of the 19th century and up to now, there ... a dramatic transformation of the means of communication and exchange between different countries (to be).
3. At present the strengthening of political and scientific ties between the states of the Earth ... (to take place).
4. The geological role of man now ... over other geological processes occurring in the biosphere (to prevail).
5. From 1850 to 2000, scientists ... on the new sources of energy (to work).
6. In the next 50 years, people ... the boundaries of the biosphere and go into space (to expand).
7. ... people of all races and religions ... equal? Yes, they will. (to become)
8. In 1917, the government ... the role of the masses in solving domestic policy issues (to increase).
9. When wars finally ... from the life of the humanity? (to exclude)
10. By the year 3000, society ... malnutrition, hunger and poverty. (to overcome)
11. By the 20th century, man ... the entire Earth (to settle).

**Task II.** Put statements 1-5 from Task I into Indirect Speech: Vernadsky claimed that ... / Vernadsky asked....

**Task III.** Rewrite statements 6-10 from Task I in the Passive Voice.



*V. I. Vernadsky*

## LISTENING

### Noospheric Man: The Era of Neohumanity

Humanity, as an element of the Biosphere, will inevitably come to understand the need to preserve all life on Earth and cover the living shell of the planet with reasonable management. To transform the Biosphere into the Noosphere, man needs a new ethic.



**Task 1.** Listen to the report on the strategy for the future development of humankind. Put the project names 1-5 into the gaps A-F.

A.	B.	C.	D.	E.
year 2020	year 2025	year 2030	year 2035	year 2040

1. modeling of artificial consciousness
2. three-dimensional body picture
3. autonomous brain life
4. robots guided by thought
5. digitizing the brain

# WRITING

**Task 1.** Agree or disagree with the statement. Write an essay of 6 sentences.

**The Noosphere is a strategy for human survival**

Plan:

- Sentence 1. Introduction.
- Sentences 2-3. Arguments from the Internet.
- Sentences 4-5. Arguments from Reading section.
- Sentence 6. Conclusion.

use Infinitive, Gerund, and Complex Object constructions in your essay.

