



## V OLIMPIADA JĘZYKA ANGIELSKIEGO Z ELEMENTAMI TECHNICZNYMI DLA SZKÓŁ ŚREDNICH 2024

**ETAP SZKOLNY**

15 marca 2024

Wypełnia Uczennica/Uczeń

IMIĘ I NAZWISKO	_____
	KLASA _____
NAZWA SZKOŁY	_____
	_____
	_____

Wypełnia Nauczycielka/Nauczyciel

ZADANIE	T1	T2	T3	T4	T5	T6	T7	T8	RAZEM
PUNKTY	8	7	10	5	10	10	10	10	70
ZDOBYTA ILOŚĆ									

**Droga Uczennico! Drogi Uczniu!**

Arkusz, który masz przed sobą, zawiera 8 zadań. Przeczytaj uważnie polecenia. Pamiętaj, żeby pisać czytelnie (długopisem lub piórem). Możesz pisać drukowanymi literami. Nie używaj korektora ani długopisu zmazującego. Odpowiedzi nanieś w miejsca do tego przeznaczone.

Pamiętaj, że brak wyboru odpowiedzi lub zaznaczenie większej liczby odpowiedzi będzie traktowane jako błędna odpowiedź.

Jeśli jeszcze nie wyłączyłaś/wyłączyłeś telefonu komórkowego, zrób to teraz. Czas przeznaczony na rozwiązanie testu: **60 minut**.

Życzymy Ci powodzenia,

**GOOD LUCK!**

**Komitet Organizacyjny Olimpiady**

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Task 1. Listening comprehension 1

\_\_\_\_ / 8 p.

Listen to a lecturer talking about sustainable housing and complete the notes below. Write NO MORE THAN THREE WORDS AND/OR A NUMBER in each gap. Write your answers in the box. You will hear the recording twice.

- By definition, a sustainable house is environmentally-friendly, in need of \_\_\_\_\_ and lower-cost.
- It is interesting that \_\_\_\_\_ and ancient Rome are where prefab building methods originated.
- In the 1840s, the prefabricated model gained popularity in the US, in response to the \_\_\_\_\_.
- Less water is used, and \_\_\_\_\_ expenses are reduced when houses are constructed off-site.
- Reyner Banham's thesis from the 1960s was on transforming \_\_\_\_\_ into residential homes.
- Modular steel structures that can be put together can be described as extremely \_\_\_\_\_.
- The Earthship, designed in the 1970s by the architect Michael Reynolds, is a fully \_\_\_\_\_ house.
- In Earthships, which utilize solar and wind power, plants are watered using any \_\_\_\_\_.

1.		2.		3.		4.	
5.		6.		7.		8.	

Task 2. Listening comprehension 2

\_\_\_\_ / 7 p.

Listen to a student called Caroline talking about her research project. Choose the best answer: a, b or c for each of the questions. Write your answers in the box. You will hear the recording twice.

1.		Caroline's research interests do <b>NOT</b> include		
		a) purposefully piped watercourses.	b) naturally occurring underground water channels.	c) subterranean waters located in Britain.
2.		During the Industrial Revolution, rivers were buried underground		
		a) to be converted into drains for the first time in history.	b) to remove contaminants with the use of waterways.	c) to protect people from a range of illnesses.
3.		Among others, underground rivers lacked fauna due to		
		a) imperfect constructions.	b) a destructive impact of water.	c) abundant plant life.
4.		One reason why piping rivers does not necessarily prevent flooding is that		
		a) pipes block the natural flow of water.	b) pipes can do serious damage to buildings during floods.	c) excessive pressure may make pipes useless.
5.		The block of flats that Caroline talks about		
		a) lost its foundations before the demolition process.	b) collapsed during a storm due to a malfunctioning pipe.	c) was once evacuated because of a serious flood.
6.		Caroline's attitude towards erecting the new building over the same river is relatively		
		a) indifferent.	b) approving.	c) critical.
7.		One method of locating underground rivers that Caroline mentions involves		
		a) drawing land contours manually to map waterflows.	b) comparing computer simulation outcomes with maps.	c) reading sets of construction documents from the past.



**Task 3. Reading comprehension**

\_\_\_\_ / 10 p.

Read the article. Match each sentence (A-F) to one of the gaps (1-5). There is one sentence that you do not need to use. Write your answers in the boxes.

**The ultimate green home: the WWF's new headquarters.**

Sandwiched between an incredibly ugly shopping centre and a busy main road, the environmentalist Sir David Attenborough, no less, is planting a tree and declaring: 'Today is a historic day.' He really means it.

1. \_\_\_\_\_ The new, highly environmentally-friendly home of the World Wide Fund for Nature, a hemispherical glass tube standing above a council car park, was officially opened today, watched by a small but enthusiastic crowd. If humanity is to survive, they must have been thinking, it will do so living in buildings of this kind.

Known as the 'Living Planet Centre', it has jumping panda animations that greet visitors to its WWF Experience, where schoolchildren can interact with Ocean, River, Forest and Wildlife Zones. 2. \_\_\_\_\_ It is hoped their new home will be a living example of that.

'The World Wide Fund for Nature is one of the great hopes for the world,' Sir David Attenborough said. 'This building enshrines that, and advertises it to the world.' The concrete is all recycled, as is the carpet and even most of the computer equipment, and there are many solar energy panels. Other such features include extensive glass to increase natural light, natural ventilation, rainwater in the toilets, and heat pumps that bring warm air up from 200 metres below. 3. \_\_\_\_\_

The sense of calm inside, from the high curved ceilings to the plants and trees, is all the more remarkable for the building's urban location. It has been built between a canal and a small area of woods listed as a Site of Special Scientific Interest. Even so, it remains in an ugly corner of a fairly unattractive town centre. The contrast gives us an idea of what might be possible in the future.

The WWF was set up in 1961. The organisation originally fought to protect individual species, such as the Arabian oryx, from extinction. Eventually, the focus moved from individual species to ecosystems: all the living things in one area and the way they affect each other. Sir David, who is an ambassador for the WWF, said: 'Now, it's not just individual ecosystems. Now the change is to a global approach. If you want to do something, you have to persuade people of the world not to pollute. 4. \_\_\_\_\_ The WWF has been the leader in changing everyone's attitudes towards nature.'

Sir David is clear about the task ahead, and more importantly, unlike many environmentalists, he believes it is not too late to make a difference. 'You can't turn the clock back, of course. That means you can't put back forests that are gone, not for a century, and the population size is not going to shrink. 5. \_\_\_\_\_,' he said. 'It's never happened before that the whole world has come together and made a decision. To go as far as we have done to reduce carbon is an impressive achievement. But you cannot have unlimited growth in a limited situation. You can't expand infinitely in a finite planet.

- A. In addition, new habitats and plant species have been installed around the gardens, while indoors a home has been found for three tall trees.
- B. But we can slow down the rate at which the numbers are increasing, we can cut down the carbon we put in the atmosphere.
- C. Maybe our children's future will be an overheated, desert-like world, but if it's not, it will probably look a lot like this.
- D. That is because the planet is one vast ecosystem.
- E. So even if you aren't too concerned about the environment, as energy costs rise, you'll want to save money on fuel bills.
- F. Since the mid-20th century, many of the ideas behind humanity's attempts to protect animals and the natural world have been started by the WWF.

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**Task 4. Working with words 1**

\_\_\_\_ / 5 p.

Complete each of the sentences below with an appropriate preposition. Write your answers in the boxes.

1.		At the beginning, cement, water and stones are fed _____ the mixer to make concrete.
2.		The project manager was racing _____ the clock and managed to finish in time for the deadline.
3.		Fatal injuries at construction sites may be caused by caught-in-_____ or struck-by accidents.
4.		The lavishly furnished villa must have been designed for people who live high _____ the hog.
5.		Among others, HVAC systems maintain good indoor air quality _____ adequate ventilation.



Task 5. Working with words 2

\_\_\_\_\_ / 10 p.

Read the sentences below and fill each of the gaps with one of the given words. There are five words you do not need to use.

consist	classic	evolve	density	assure
isometric	elevated	comprise	communal	exploded
civic	gravity	leverage	ensure	classical

1.		Intelligent buildings aim to ___ complex automated systems for maximum efficiency.
2.		A(n) ___ diagram shows how a product can be assembled and how its parts fit together.
3.		As a construction manager, you must ___ everyone on-site follows OHS regulations.
4.		Ancient Greece flourished during the period of cultural history known as the ___ era.
5.		Landscape architecture focuses on, among others, ___ and corporate landscapes.
6.		The small kitchen functions as a connector between individual and ___ areas in the flat.
7.		Obviously, bulk ___ of steel is much higher than that of brick, sand, concrete, or granite.
8.		A central heating system should ___ a heat exchanger, an evaporator, and a thermostat.
9.		Street networks in big urban centres may be carefully planned or may ___ organically.
10.		This water tower is a(n) ___ structure supporting a water tank, serving as a reservoir.

Task 6. Language at work

\_\_\_\_\_ / 10 p.

Read the sentences below and decide which answer (a, b or c) best fits each gap. Write your answers in the boxes.

1.		The local shopping centre _____ by the end of next week.			
	a)	has been renovated	b)	is being renovated	c)
2.		Can you tell me what time _____ on Monday morning?			
	a)	the inspection starts	b)	is the inspection started	c)
3.		I suggest _____ intelligent materials in the buildings despite the high costs involved.			
	a)	him to start using	b)	that he start using	c)
4.		They were the first company _____ modern architectural solutions in the past.			
	a)	to be introduced	b)	to have introduced	c)
5.		If I were you, I _____ the development funds into geothermal energy in 2020.			
	a)	would have ploughed	b)	should be ploughing	c)
6.		We invested in new excavators, _____ comply with the safety standards.			
	a)	half of what does not	b)	whose half does not	c)
7.		The subcontractor apologized _____ the deadline.			
	a)	to have missed	b)	for having missed	c)
8.		I am acquainted with EU laws regarding environmental monitoring, _____?			
	a)	am I not	b)	don't I	c)
9.		The construction waste _____ and supplied to the processing plant nearby.			
	a)	was collected	b)	are collected	c)
10.		After tough negotiations, we _____ a contract with a leading supplier. That was real success!			
	a)	did anything but secure	b)	were finally able to secure	c)



**Task 7. Word formation**

\_\_\_\_\_ / 10 p.

Read the sentences below. Use the word given in capitals at the end of each line to form a word that fits in the given space.

1.		Our company has recently designed some _____ complex buildings.	SPACE
2.		Steel temporarily _____ when small loads (stresses) are applied to it.	FORM
3.		Load-bearing walls are _____, as they support the structure of buildings.	MOVE
4.		Construction workers must obey OHS rules while working at _____.	HIGH
5.		You must find the best demolition method before _____ with the plan.	PROCESS
6.		Fossil fuels cannot be _____, as opposed to solar or wind energy.	NEW
7.		Paula works as an architect _____ in heritage conservation.	SPECIAL
8.		Urban planning is _____ concerned with settlements and communities.	DOMINATE
9.		Dumpster _____ is a service that helps you speed up your renovation.	RENT
10.		Urban rehabilitation does not only _____ reviving run-down areas.	COMPASS

**Task 8. Transformations**

\_\_\_\_\_ / 10 p.

For each question below complete the second sentence so that it has a similar meaning to the first sentence, using the word given. Do not change the word given. You must use between two and six words, including the word given.

1.	It's hard to be sure, but I think that her interior designs are very modern.	TELL
	_____, her interior designs are very modern.	
2.	They all assume that the Roman settlement has high historical value.	GRANTED
	Everyone _____ the Roman settlement has high historical value.	
3.	It's unlikely our waste removal company will manage to win the contract.	SUCCEED
	Our waste removal company _____ the contract.	
4.	The welders did not get burns only thanks to the PPE they used.	NOT
	_____ the PPE they used, the welders would have got burns.	
5.	'Did you go over budget, Mr Generous?' asked the CFO.	HE
	The CFO asked Mr Generous _____ over budget.	
6.	There was a delay in the surveying of the area because the team arrived late.	FROM
	The delay to the surveying of the area _____ of the team.	
7.	This building automation system works far better than the others.	NEARLY
	The other building automation systems don't _____ this one.	
8.	We wish we had employed a professional architect.	OUGHT
	We _____ a professional architect.	
9.	She said she was pleased I had let her know what was going on in the bidding process.	PICTURE
	She thanked me _____ about what was going on in the bidding process.	
10.	The clean energy supplier said profits had fallen on account of the new regulations.	FALL
	The clean energy supplier blamed _____ the new regulations.	

1.		6.	
2.		7.	
3.		8.	
4.		9.	
5.		10.	