

GAME "LEADER of the 21st CENTURY"

Topic: "ENERGY and HABITAT"

ROUND 1- Baiga

Presenter: I shall read 12 questions and answers to them. Choose right answers on your worksheets. You can think about each question 5 second. To round 2 we shall choose only 6 participants of our show.

1. What means the word "world"?
a) The earth with all people, animals and plants b) Our home only c) Our planet
2. "Environment" means ...
a) School, teachers and subjects b) Air, water and land c) Mother, father, grandparents
3. What is oil in Kazakhstan?
a) The most important resource of its future development
b) A great resource of knowledge
c) Mineral
4. What is climate?
a) The ground that covers the earth in which plants grow
b) A course of general plan of action chosen by government
c) Combination at temperature, precipitation, wind, pressure that is typical for a specific place
5. What are the greenhouse gases?
a) The process of minimising waste by recovering materials
b) Many gases that affect the atmosphere s capacity to absorb radiated heat
c) The action of polluting
6. Which of the following is not usually included in the three "R's" of recycling?
a) reduce b) recycle c) reclaim
- d) 7. Which of the following types of energy produces the least pollution?
a) coal b) natural Gas c) wind
8. When is the concentration of carbon dioxide in the atmosphere expected to double from pre-industrial levels?
a) It already has doubled b) Mid to late 21st century c) The early 22nd century
9. Which continent has an ozone hole over it?
a) Antarctica b) Australia c) Europe
10. CFC is short for
a) cold fired crystals b) chlorofluorocarbon c) carbon free chlorine

11. CFCs are harmful because they

- a) destroy ozone b) cause cancer c) melt ice caps

12. By approximately how much did the world warm during the 20th century?

- a) 3 degrees Fahrenheit (ca 1.6 Celsius) b) 1 degrees Fahrenheit (ca 0.6 Celsius) c) 2.5 degrees Fahrenheit (ca 1.25 Celsius)

ROUND 2- The Second Bar

Presenter: Look at the blackboard! Each participant can choose any topic left. I ask 5 questions for each participant . You can think about each question 5 second. To round 3 we shall choose only 3 participants of our show. In the first place choose a topic the participant who is a leader of the 1st round.

1. Electricity
2. Energy
3. Global warming phenomena
4. Climate
5. Environment
6. Earth Day

A) Electricity

1) What is electricity?

2) What do you know about the history of electricity?

3) What kind of world would we live in without electricity?

4) What do you tell children about electricity?

5) What dangers does electricity pose in your house?

B) Energy

1) What is energy?

2) How important is energy?

3) What affects your energy levels?

4) Why do you think some people have lots of energy while others have little energy?

5) What happens if we run out of energy?

C) Global warming

1) What is a global warming? Explain (a gradual warming of the earth's surface temperature)

2) Where is global warming expected to have the largest impact? (High latitudes like the Arctic)

3) What are the main problems caused by global warming going to be? (more natural disaster such as droughts, sea level rising, hot and dry places getting hotter and drier, many wet places getting even wetter)

4) Global warming influences poverty. Explain this statement!

1. Recycling

2. Pollution

3. The weather and natural

4. Resources

5. Habitat

6. Greenhouse gases

5) Complete the sentence: In some places increased temperatures will reduce (rainfall)

D) Climate

- 1) What is climate?
- 2) Which continent is likely to be the most vulnerable to climate change?(Africa)
- 3) What is the climate of your country?
- 4) Explain the word “ weatherman”.
- 5) What does the country' s weather depend on?

E) Environment

- 1) What means the word “environment”? (all the surroundings conditions)
- 2) Is acid rain good or bad for the environment? Why?
- 3) Complete the sentence : Factories and vehicles produce a lot of dangerous...(fumes)
- 4) The surroundings and external conditions that affect the growth and development of living things is...(environment)
- 5) What is an absorbent of carbon dioxide, greenhouse gas from the air? (trees)

F) Earth Day

- 1) When was the first Earth Day held? (on April, 22, 1970)
- 2) What was the day set aside for everyone? (to think about ways to take care of our Earth and its resources)
- 3) What are some ways to take care of the Earth?
- 4) Explain the word “ volunteer”
- 5) Who is this man? What can you say about him?(Gaylord Nelson. Earth Day was founded by United States Senator Gaylord Nelson as an environmental teach-in first held on April 22, 1970. Senator Nelson, an environmental activist, took a leading role in organizing the celebration, hoping to demonstrate popular political support for an environmental agenda)



Presenter: Look at the blackboard! Each participant can choose any topic right. I shall read the different sentences. Are these sentences true or false?

A) Recycling

- 1) Recycling is the contamination of the air, water, or soil with substances that can cause harm to human health or the environment. (-)
- 2) It is the process of minimising waste by recovering materials and transforming them into new products.(+)
- 3) We use billion plastic bottles every year.(+)
- 4) We should not recycle plastic bags and bottles, cans and newspapers. (-)
- 5) When we recycle, we leave less rubbish and we help save natural resources.(+)

B) Pollution

- 1) "Pollution" means the action of polluting.(+)
- 2) The pollution of the ocean shore was not great after the damage of an oil tank.(-)
- 3) Many men were clearing all the pollution off the shore.(+)
- 4) We should not keep our houses, gardens and woods clean.(-)
- 5) If we pollute our surroundings we shall do harm for our health.(+)

C) The weather and natural phenomena

- 1) This symbol means "temperature below zero". (-) (It means"wind speed and direction")



- 2) It usually gets frosty in very high temperatures.(-)
- 3) It's very hot in our room at the moment. (?)
- 4) Tsunami is a long period when there is no rain and when the land is dry.(-)(It is a huge wave in the sea, caused by an underwater earthquake.)
- 5) Earthquake is a shaking of the earth caused by, for example, volcanic activity.(+)

D) Resources

- 1) Our country is rich in such natural resources as oil, coal, salt, stones.(+)
- 2) Oil in Kazakhstan is the most important resource of its future development.(+)
- 3) Mineral water that comes from a natural spring and contains minerals we should not drink for health reasons.(-)
- 4) Minerals such as stone are not used in road constructions.(-)
- 5) As a result the wide use of national resources upsets the biological balance, pollutes air, water and soil.(+)

E) Habitat

- 1)Habitat is the destruction of forests to make land for agriculture.(-)
- 2) It is the natural home of a plant or animal.(+)
- 3) People destroy habitats of animals.(+)
- 4) We must not look after the animals we have left.(-)
- 5) "People and nature--our future is in the balance" (+) - *National Wildlife Federation*

Greenhouse gases

- 1)They are gases that trap the heat of the sun in the earth's atmosphere, producing the greenhouse effect.(+)
- 2) Many greenhouse gases come from things we do every day. (+)

3) These greenhouse gases trap energy in the atmosphere and do not make the Earth warmer.(-)

4) By turning off lights, the television, and the computer when you don't need them, we cannot help

save the climate.(-)

5) This is the climate changing diagram.(+)



ROUND 3 - Magnificent Five of Questions

Only 3 participants of our show we have. In the first place choose a topic the participant who is a leader of the 2nd round.

Alternative types of energy

10 points -



What is it? (Solar power)

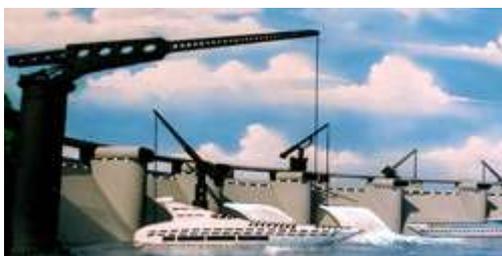
20 points- *Translate into your native language*

Solar power has tremendous potential from photovoltaic panels that store energy in batteries for private use to large scale solar plants on land and in the sea.



30 points- This energy source alone could provide enough clean energy for the next thousand years. (Geothermal energy)

40 points- These underwater structures are designed to convert a portion of the flow of the Gulf Stream through turbines to generate clean electric power. These slow rotating turbines would have a centrifugal separator and deflectors to prevent harm to marine life.(Underwater turbines)



be incorporated.

50points- Not only could this structure provide a physical link between Asia and North America, it could also serve as an avenue for social and cultural exchange. This land bridge would perhaps serve as a base for the development of clean fusion power. Pipelines to conduct fresh water from melting icebergs to other parts of the world may also

B) Advices

10- *Complete the following sentence!*- Do not leave the refrigerator door open. Get what you want quickly and shut(the door)

20- *What is about?*- Save them at home and school, and help your parents recycle them.(about cans, bottles and paper)

30- *Explain this advice HELP KEEP THE AIR CLEAN!*

40- Should cars be banned from city, town and village centres? Why?



50-

C) Proverbs and sayings

10-Ask not what your country can do for you,

Ask what you can do for (your country)

20- Who is author of these words? (John F. Kennedy)

30- Walnuts and pears you plant for your heirs. *Explain this proverb in your native language.*

40- *Find the meanings of the following proverbs.(перевод пословиц предложить вразброс)*

After us the deluge (После нас хоть потоп)

As you saw, so shall you reap.(Что посеешь, то пожнешь)

Good health is above wealth.(Здоровье дороже денег)

50-*Explain the words of Socrates: I am a citizen not of Athens or Greece, but of the world.*

REMUNERATION OF WINNER