



Learning situation:

Develop a sustainability concept for the city

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## Station maps





#### **Green energy:**

This station shows the different types of renewable energies, such as Wind, solar and hydrokra. Interactive models and displays explain how these energies are used and how they are used to Reduction of CO2 emissions.



#### **Sustainable mobility:**

At this station the Future of mobility presented, including Electric vehicles and other innovate Transport. Visitors can learn more about the Benefits of sustainable Mobility and its Impact on the environment experience.



#### **Conservation of resources:**

This station illuminates the importance of Resource conservation and the various Methods to reduce resource consumption. Examples of recycling, Upcycling and sustainable Become a producer shown.



#### **Ecosystems and Biodiversity:**

This station shows the Diversity of ecosystems and the importance of Biodiversity for the Balance of nature. Visitors can Relationships between different habitats and the species living there experience interactively.



#### **Climate change:**

This station offers Informaon about the Causes and consequences of climate change. Various interactive Sections show the Effects of Climate change on the Environment and offer Solutions on how to counteract this.





#### **Sustainable consumption:**

This station is  
the topics more sustainable  
Consumption and conscious  
Lifesl apart.

Visitors learn how their  
Consumption habits that  
Influence the environment and  
how they can make  
more sustainable decisions.



#### **Interactive games and Simulaon:**

Various interactive  
Games and simulations  
enable the  
visitors to share their knowledge about  
Sustainability in a  
playful way  
test and verify.



#### **Future visions:**

**This station presents**  
future-oriented  
Technologies and concepts for  
a more sustainable world.  
Here visitors can  
innovative ideas and  
Discover projects that  
have potential to  
Environment positive to  
influence.



#### **Virtual reality:**

Virtual reality technology  
allows visitors to  
immerse themselves in different  
scenarios to experience first-  
hand the effects of  
environmental changes.



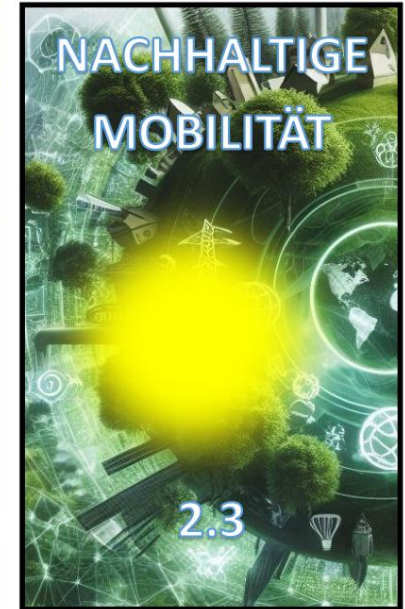
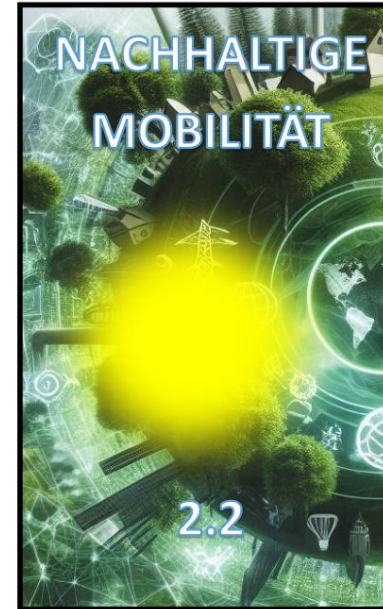
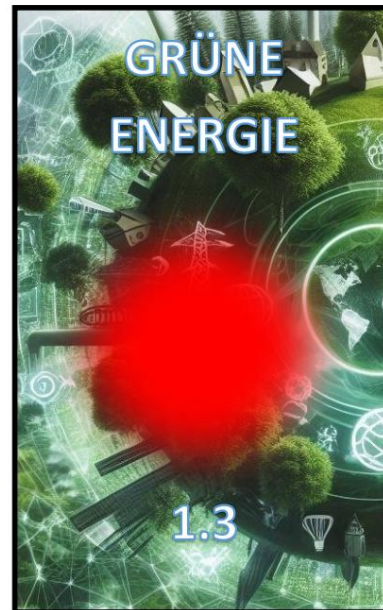
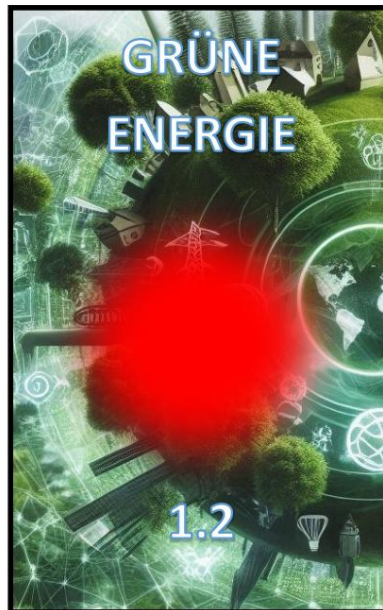
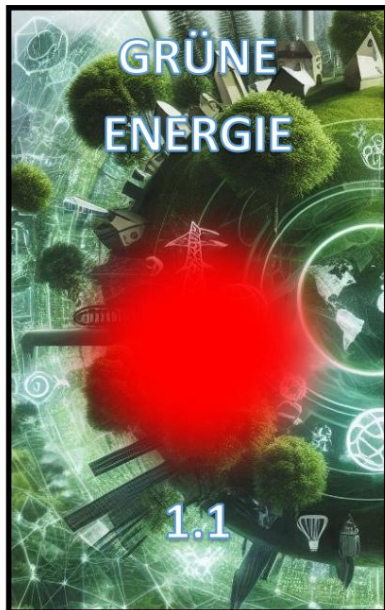
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## Quiz Cards





Which renewable Energy sources are presented in the "Level Green"?

- A) Coal and oil
- B) Wind, solar and Hydropower
- C) Natural gas and nuclear energy

How can the use of renewable energies help to reduce CO2 emissions?

- A) By using fossil Replace fuels
- B) By producing more CO2
- C) By increasing the Luvver fouling

Which technology to Use of renewable Energies is in the "Level Green" as particularly efficiently presented?

- A) Wind turbines
- B) Solar energy
- C) Hydroelectric power plants

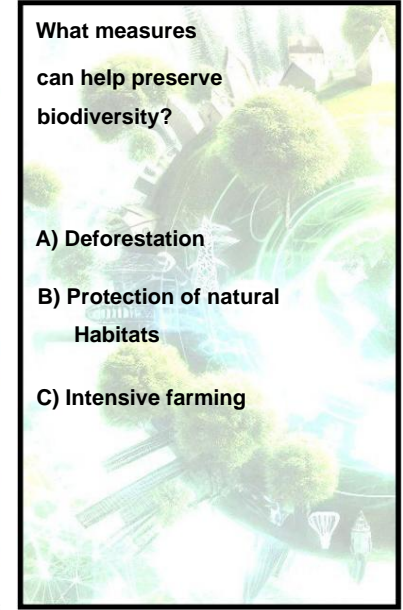
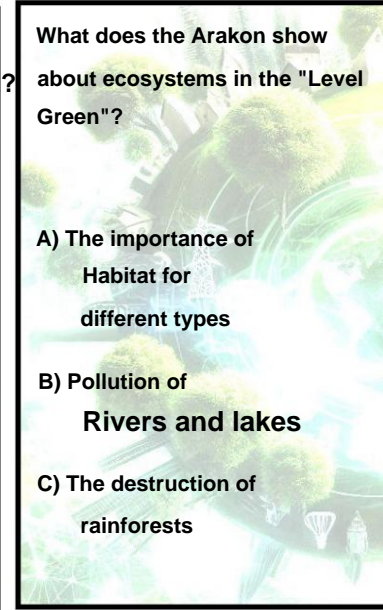
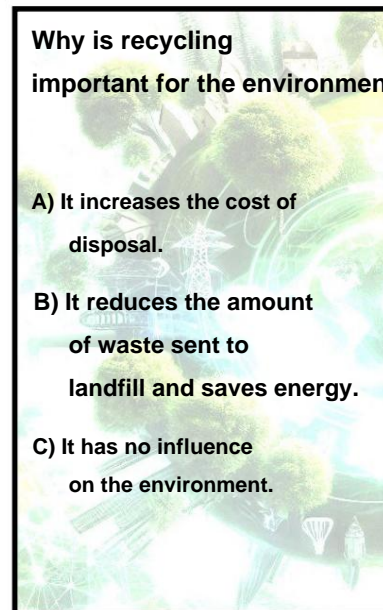
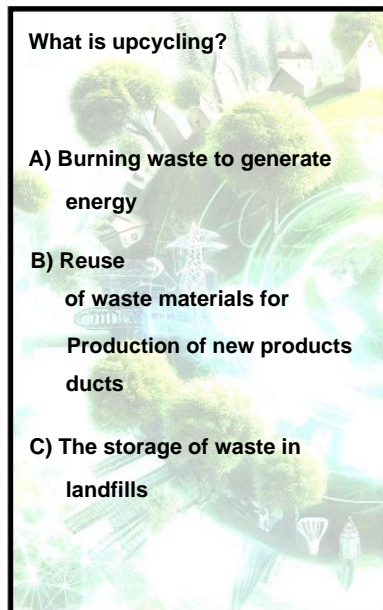
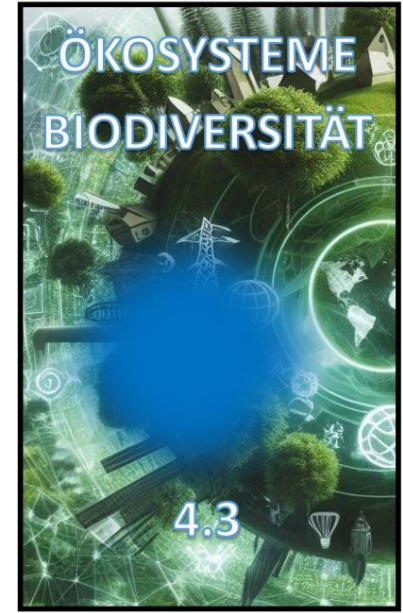
What is an example of an innovative means of transport, that in "Level Green" is presented?

- A) Horse-drawn carriage
- B) Electric car
- C) Steam locomotive

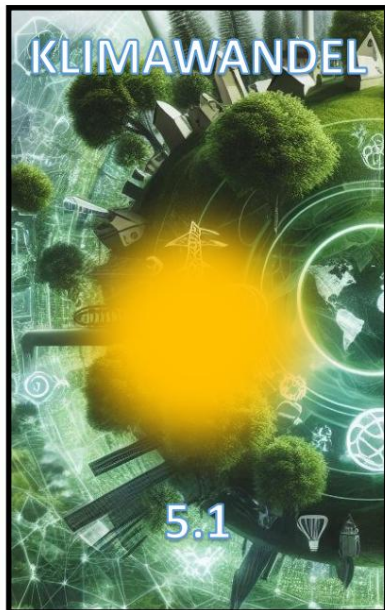
How can the use of Bicycles for Contribute to sustainability in transport?

- A) Due to increased CO2 Emissions
- B) By reducing the Traffic load and Emissions
- C) Through higher Noise pollution









What are the main causes of climate change that "Level Green" explained become?

- A) Natural phenomena such as volcanic eruptions
- B) Human activities such as the burning of fossil fuels
- C) The circulation of the Earth



How can we, according to "Level Green" to climate change counteract?

- A) Due to the increased Use of fossil Fuels
- B) By saving energy and the use of renewable energies
- C) By clearing Forests



What are the effects climate change on ecosystems?

- A) Improved Conditions for all Types
- B) Loss of habitats and biodiversity
- C) Reduction of greenhouse gas emissions



Why is biodiversity important for the balance of nature?

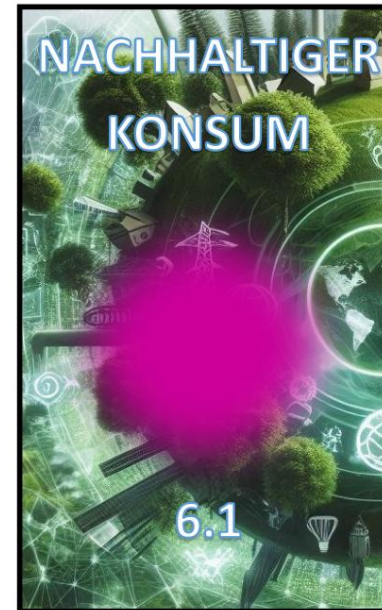
- A) It increases the number of species that become extinct
- B) It promotes the Health of ecosystems
- C) It makes nature less stable



Why is it important to Lifespan of products?

- A) To reduce waste produce
- B) To secure resources conserve and reduce waste reduce
- C) To buy new products more frequently





What role do the interactive games and Simulaon in "Level Green"?

- A) They are only for intended for entertainment
- B) They help to Understanding of to promote complex relationships
- C) They have no educational value

What can visitors do with Learn about environmental problems through interactive games ?

- A) Nothing relevant
- B) The complexity and Effects of Decisions
- C) Anything

Which technology will in "Level Green" used to enable interactive learning experiences?

- A) Steam engines
- B) Virtual Reality
- C) Morse code

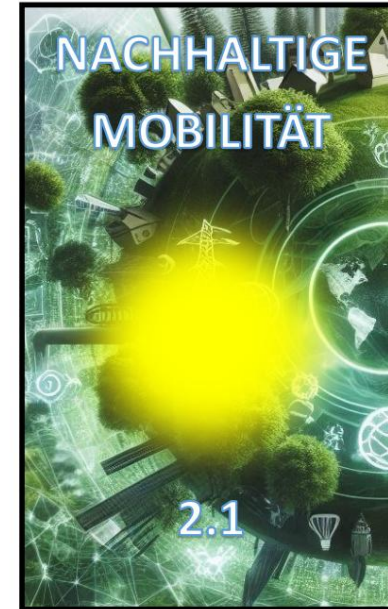
What impact does our consumer behaviour have on the environment?

- A) It has no impact on the environment
- B) It can reduce environmental pollution and Resource consumption increase
- C) It automatically improves the environmental quality

How can we consume more sustainably?

- A) By purchasing Disposable products
- B) Through conscious Purchasing decisions and the choice of sustainable Products
- C) By waiving recycling





What is happening in the area of  
**Future visions in the "Level Green"?**

- A) Old-fashioned Technologies
- B) Innovative ideas and Projects for a more sustainable world
- C) Historical Developments

How can innovative  
How do technologies  
contribute to sustainability?

- A) You can create new environmentally friendly Offer solutions
- B) They exacerbate Environmental problems
- C) They replace traditional Methods without advantages

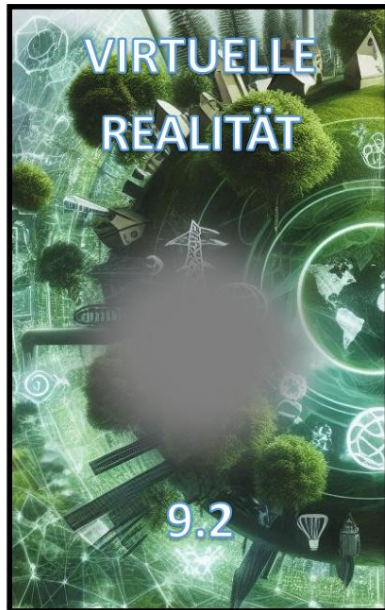
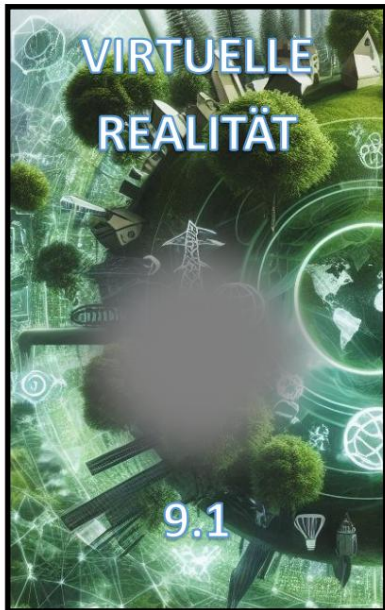
What challenges  
**could innovate**  
Technologies for  
Sustainability of possible  
wise not solve?

- A) Resource scarcity
- B) Climate change
- C) Loss of biodiversity

What advantages do  
Electric vehicles for the  
environment?

- A) They produce less Noise and emissions.
- B) You consume more Petrol.
- C) They are more expensive to produce.





What does virtual reality technology enable in "Level Green"?

- A) A realistic experience the environmental changes
- B) Playing Video games
- C) Watching Film

Why is the virtual Reality an effective Method to protect the environment to raise awareness?

- A) It makes visitors the urgency of Environmental protection measures consciously
- B) She has no special influence
- C) It distracts from the actual issues

How can virtual reality be used in education to development of environmental issues?

- A) By showing Fantasy scenarios
- B) By immersing yourself in realistic environmental problems and solutions
- C) By playing Music videos





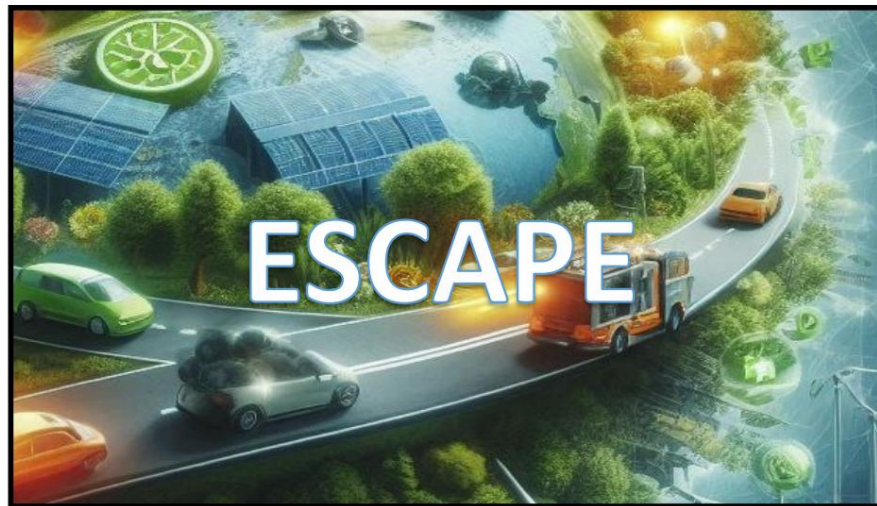
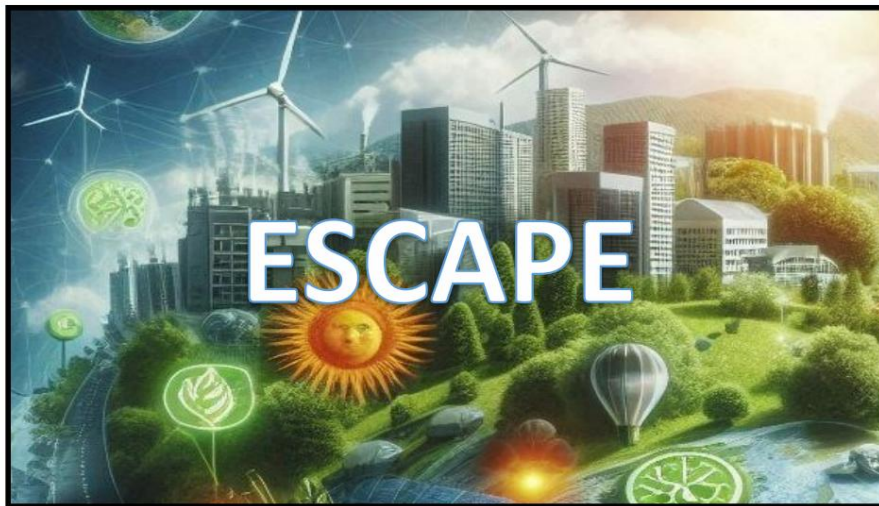
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## Escape game cards





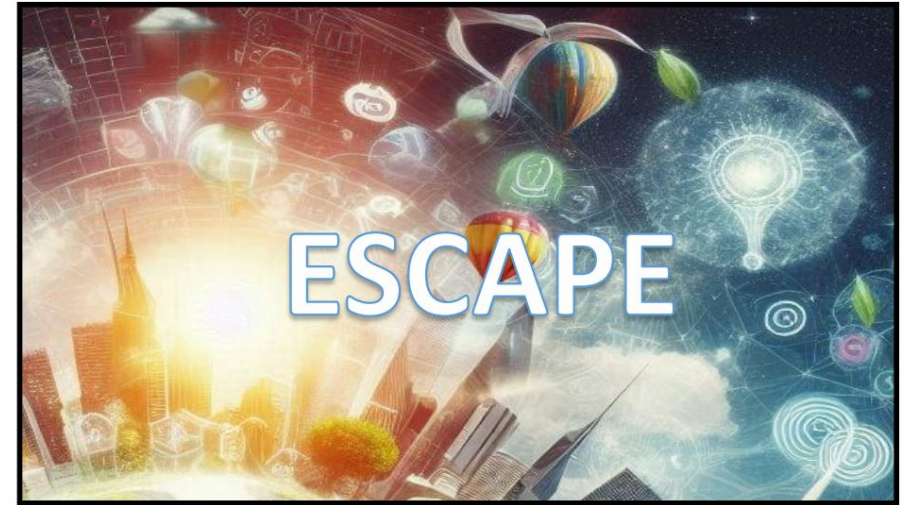
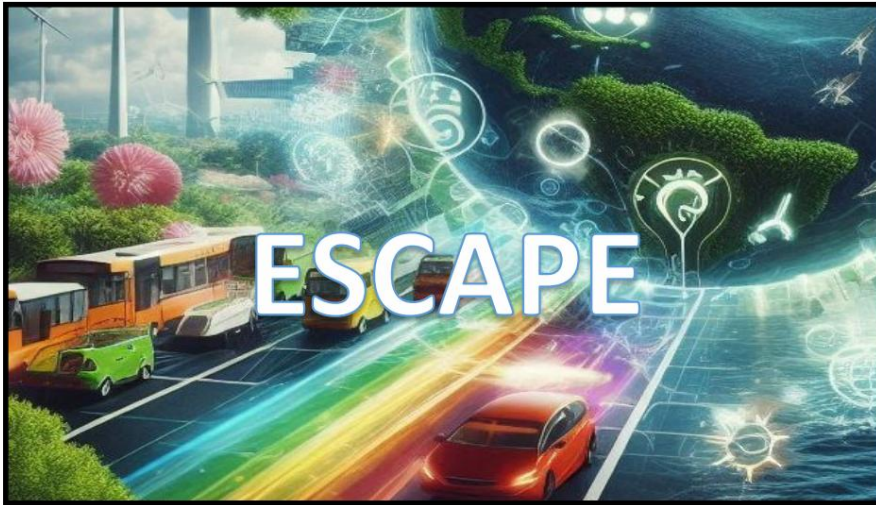
### Green energy

Find the exact number of solar cells at the exhibition stand. The number of cells corresponds to the numerical value of the first letter in the answer.

### Sustainable mobility

Find the license plate of the first electric vehicle on display. The last letter of the license plate is the second letter in the answer.





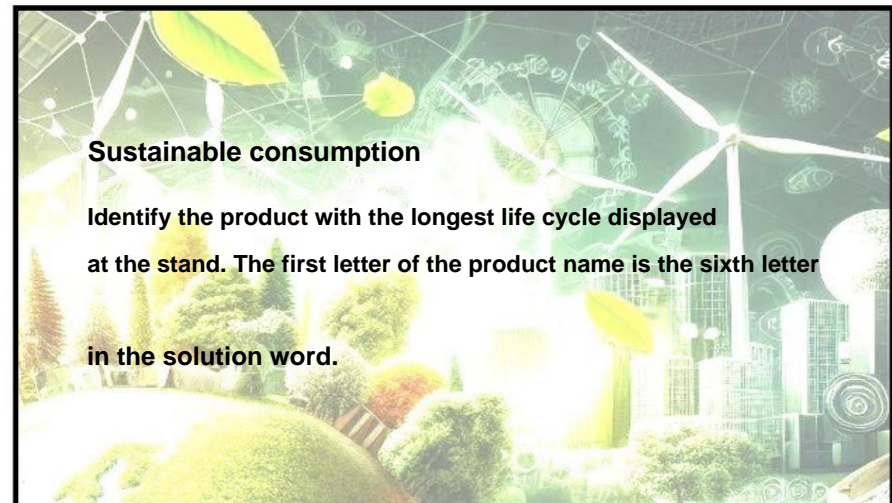
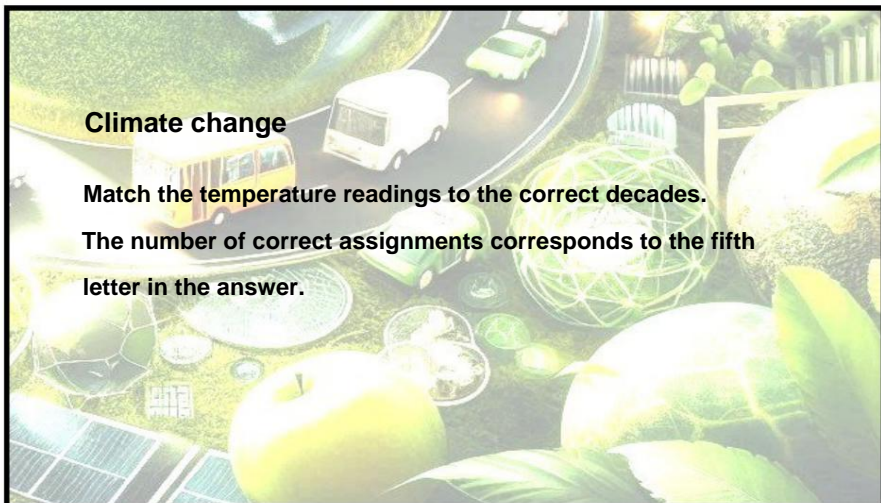
### **Conservation of resources**

Determine the exact weight of the recycled material indicated on the station. Divide the weight by 100. The letter that corresponds to the result in the alphabet is the third letter in the answer.

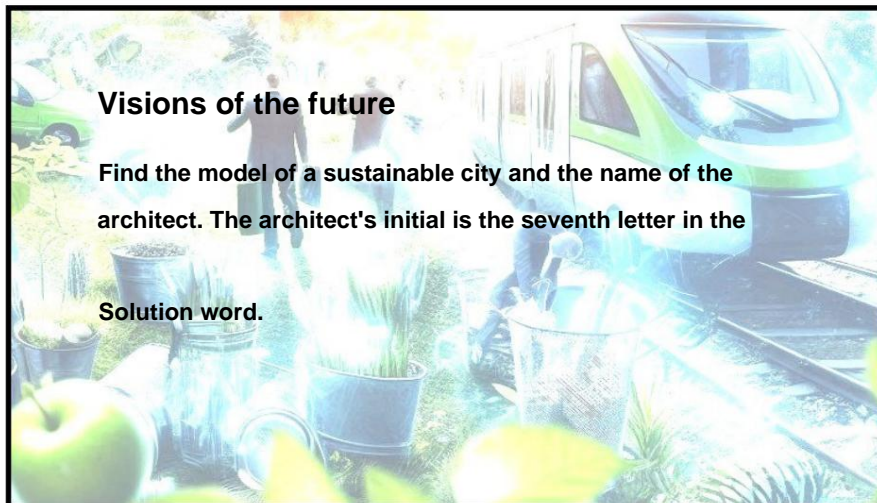
### **Ecosystems and biodiversity**

Find the exact number of different plant species in the biodiversity area. The sum of this number is the fourth letter in the answer.





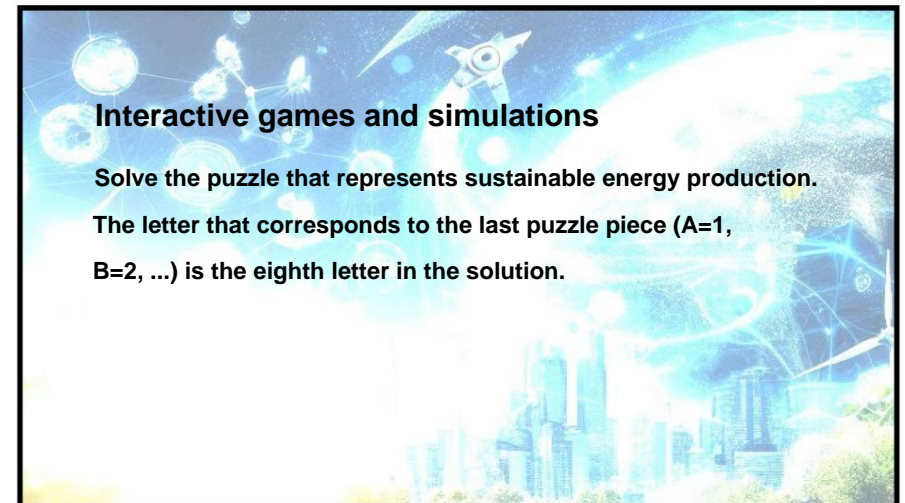




### Visions of the future

Find the model of a sustainable city and the name of the architect. The architect's initial is the seventh letter in the

Solution word.

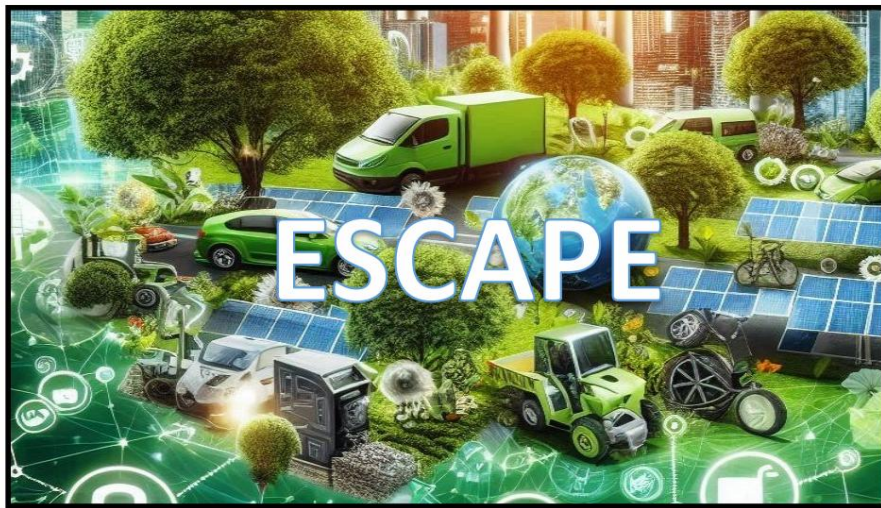


### Interactive games and simulations

Solve the puzzle that represents sustainable energy production.

The letter that corresponds to the last puzzle piece (A=1, B=2, ...) is the eighth letter in the solution.





### Virtual reality

Navigate through virtual reality and find the hidden sustainable city map. The first letter of the city map name is the ninth letter in the solution.

### Exit

Put the collected letters together to form the solution word. You need a lot of ?GAP for the last letter of the solution word.

Present the solution to your teacher to  
To complete your mission!



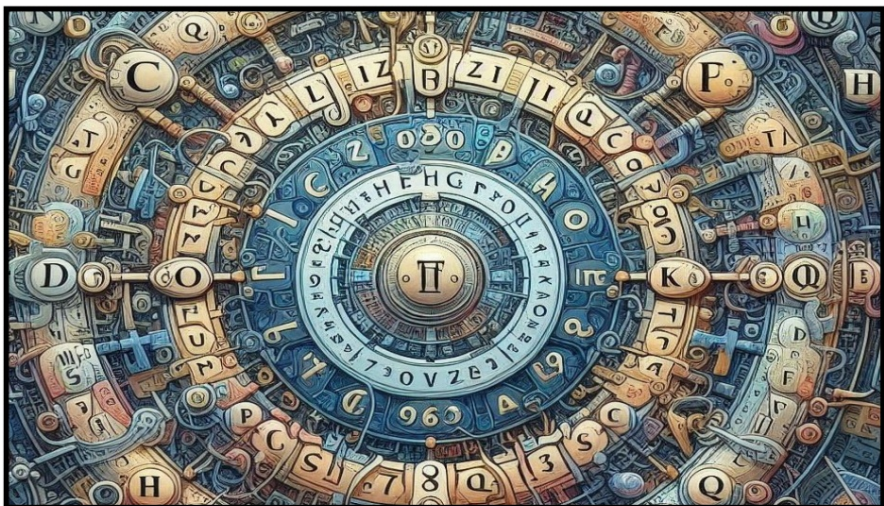
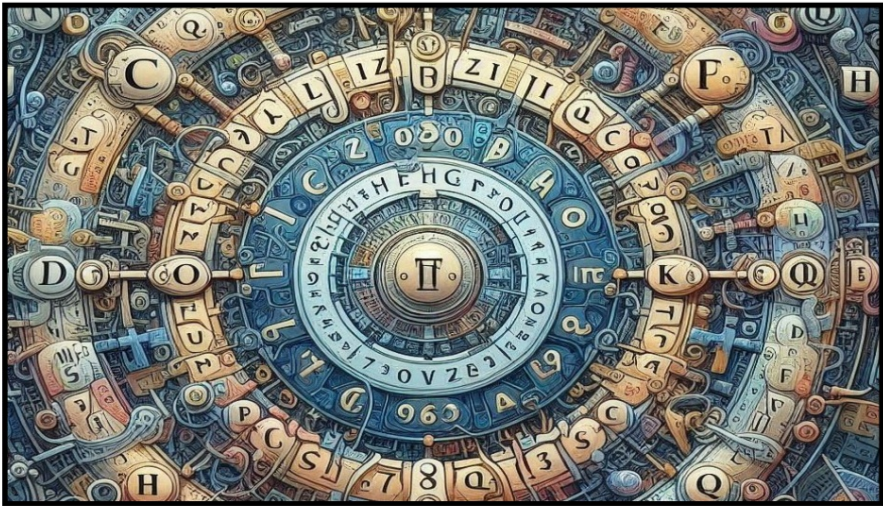
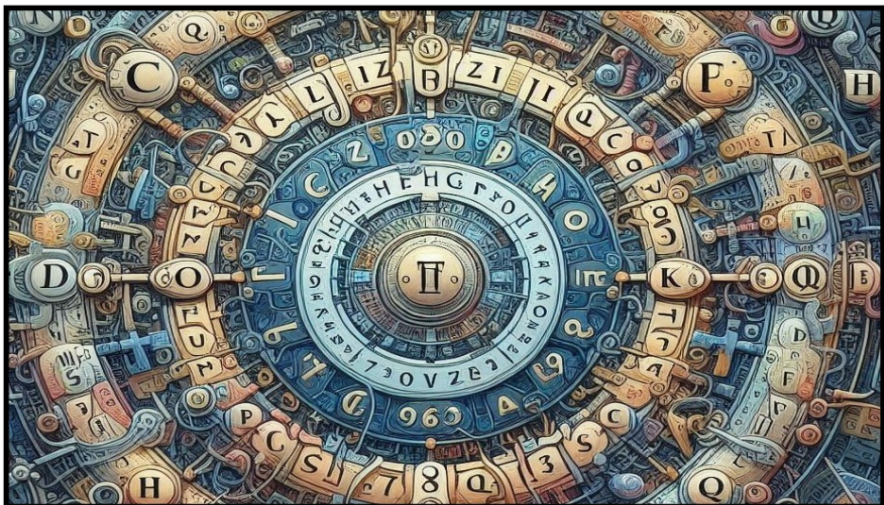
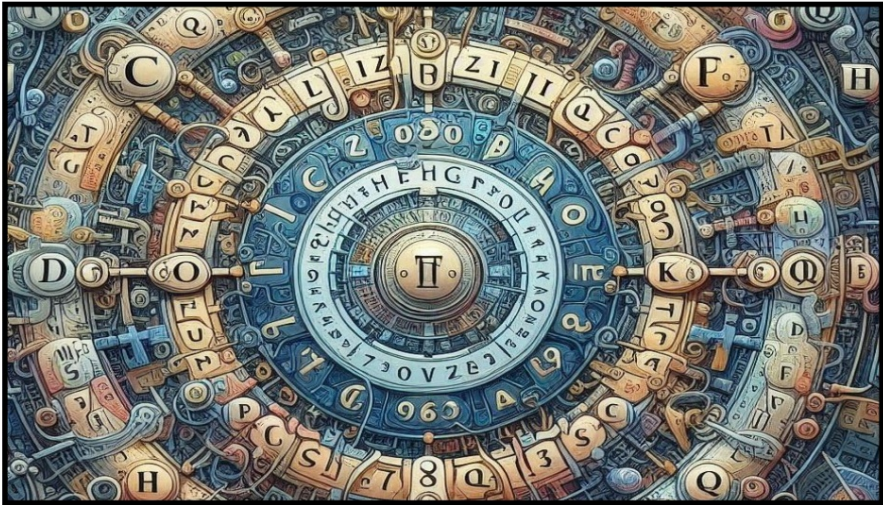
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B	2	J	10	18	YZ	25
C	3	K	11	19		
D	4	L	12	20		
E	5	M	13	21		
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G	7	O	15	23		
H	8	P	16	24		

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## Schedule















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## Box cover





