

let's Think



Imagine you live in smart eco-friendly city. What would you expect to see?

What are some key differences between your current city and the smart city you imagined?

Consider aspects like energy usage, transportation, waste management, and environmental impact. How would these improvements make a smart city better than your city?"

Explore



Let's embark on a virtual field trip to some remarkable cities renowned for their sustainability initiatives, such as Copenhagen, Amsterdam, and Singapore.

We'll explore their approaches to transportation, waste management, and urban planning.

As we journey through these cities, take notes and consider how we can apply their ideas to make our own community more eco-friendly.

Ready? Let's get started!



Watch it..

Follow this link to understand more about sustainable cities.



<https://www.youtube.com/watch?v=pUbHGI-kHsU>



Scan Here!

Read about it

Let's read this article.

<https://www.thezebra.com/resources/home/what-is-a-sustainable-city/>



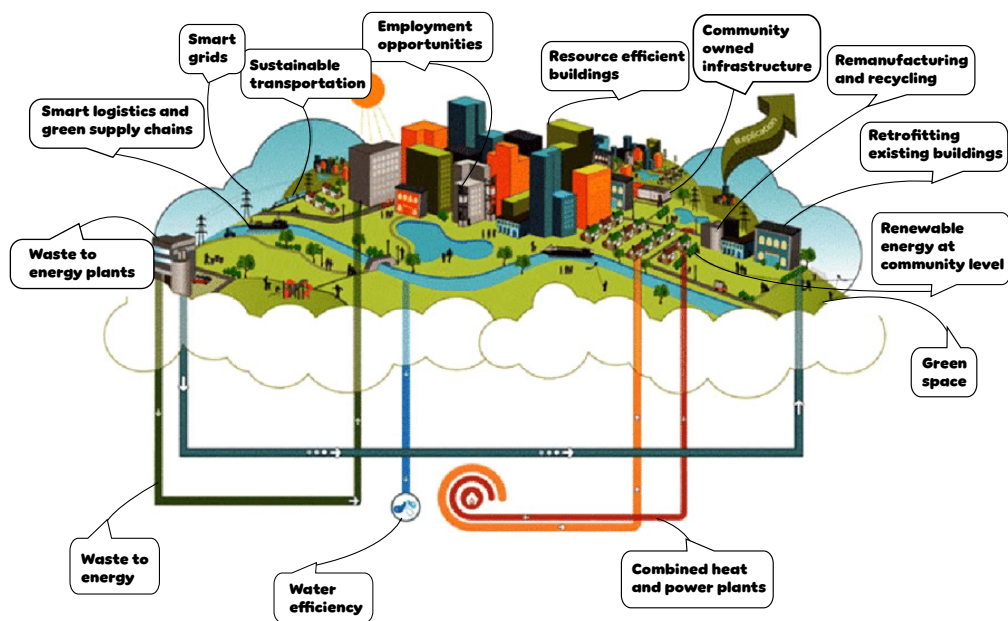
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Assessment

Focus



Identify the key components of a sustainable city as illustrated in the image. Fill in the missing information in the table.



Component	Description
.....	Intelligent energy distribution systems that optimize efficiency and reliability.
Sustainable Transportation	Eco-friendly modes of transport, such as public transit, cycling, and walking.
Employment Opportunities	Creation of jobs related to sustainability, such as renewable energy and green technology.
.....	Shared ownership and management of public facilities to promote community engagement.
Resource-Efficient Buildings	Structures designed to minimize energy and water consumption.
Remanufacturing and Recycling

Component	Description
Retrofitting Existing Buildings	Modernizing older buildings to improve energy efficiency and sustainability.
Renewable Energy at Community Level	Generation of clean energy sources like solar, wind, or hydro within local communities.
Waste-to-Energy Plants
Green Space	Parks, gardens, and other natural areas that provide environmental and social benefits.
Waste-to-Energy	Conversion of waste into energy through various processes.
.....	Facilities that produce both electricity and heat, improving energy efficiency.
Water Efficiency

Practice



Let's create a poster about the clean energy.

Challenge



Which types of energy you can apply in your city (depend on geographical location and climate).

