

1. GET READY - The Green Economy

➤ *In your opinion, what is the dominant color of this picture? Justify.*

➤ *Describe this picture, you can use the word list below.*



wind turbines • renewable • clean • transportation • to produce energy • natural resources • the industry • the environment • solar panels • to protect

➤ *What is the goal of a “Green Economy“?*
Select the right sentences in the list below.

- Reducing environmental risks.
- Providing a better quality of life for everyone.
- Making financial profit a priority over anything else.
- Encouraging intensive agriculture by using large amounts of fertilizer and pesticides.
- Contributing to sustainable development.
- Developing a highly mechanized industry.
- Promoting the transition to a low carbon economy.
- Supporting the harmonious interaction between humans and nature.

➤ *Explain why this picture illustrates the concept of “green economy“.*

2. GET READY - Green jobs - A definition

► Complete this definition of “green jobs”

Green jobs

Green jobs are decent jobs that contribute to _____ or restore the _____. These _____ jobs can be in traditional sectors such as manufacturing and _____, or in new, _____ green sectors such as _____ energy and energy efficiency.

environment • emerging • renewable •
construction • preserve • eco-friendly

► Identify the 5 jobs titles shown in the presentation, use the list from the right column.

1. _____
2. _____
3. _____
4. _____
5. _____



- Recycling specialist
- Environmental Engineer
- Ecological Educator
- Home energy auditor
- Solar Installation Worker

3. REACT - Green Jobs - Areas of Expertise

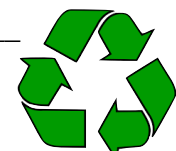
► Match these green jobs with their respective areas of expertise:

- | | |
|--|--|
| <ul style="list-style-type: none"> ● Recycling specialist <input type="checkbox"/> ● Environmental Engineer <input type="checkbox"/> ● Ecological Educator <input type="checkbox"/> ● Home energy auditor <input type="checkbox"/> ● Solar Installation Worker <input type="checkbox"/> | <ul style="list-style-type: none"> <input type="checkbox"/> Renewable energy <input type="checkbox"/> Water quality <input type="checkbox"/> Air quality <input type="checkbox"/> Education and prevention <input type="checkbox"/> Waste material collection and processing <input type="checkbox"/> Public health <input type="checkbox"/> Energy conservation <input type="checkbox"/> Design, construction, improvement, renovation of homes |
|--|--|

► Write a description of the 2 following green jobs:

● **Home energy auditor:** A person in charge of _____

● **Recycling specialist:** A person in charge of _____



4. LISTEN - The Story of Agriculture and the Green Economy

The video can be found at: <https://youtu.be/twGev010Zwc>

► *Why is the green economy necessary?*

► *Identify the details about agriculture around the world:*

- | | |
|-------------------------|---|
| 1. _____ % of _____ | 4. _____ % of _____ emissions. |
| 2. _____ % of land use. | 5. _____ % of agriculture workers live in _____ |
| 3. _____ % of _____ | _____ |

► *Complete the sentence:*

By 2050,...

- we need _____ % more food available.
- we must _____.
- we must _____.
- we must help _____.



► *How can farmers contribute to the development of the green economy?*

► *How can farmers help to protect the environment and biodiversity?*

► *Complete the sentence:*

Over the next 40 years, we need to provide...

- | | |
|---------|---------|
| • _____ | • _____ |
| • _____ | • _____ |
| • _____ | • _____ |

... for an extra 150 eight thousand people every day

5. REPORT - Get ready to give an account of the video

► *Give as many details as possible about what you have understood.*

6. READ - Reinventing Pittsburgh as a Green City

► Read the below and answer the questions:

In the late 1860s, hundreds of factories belched* thick black smoke over Pittsburgh. By the 1970s, as the city's industrial economy faltered*,

5 Pittsburgh's leaders made "green" buildings part of their revitalization plan.

A few decades later, Pittsburgh was named the tenth-cleanest city in the

10 world.

Today Pittsburgh is a leader in green buildings, and has turned its abandoned industrial sites, known as brownfields, into assets through

15 extensive redevelopment. Pittsburgh has shown that building green can reduce energy demand, curb global warming emissions, save consumers money on utility bills, and stimulate

20 a green economy.

Pittsburgh's Convention Center, for example, built on a former brownfield site, is the world's first Gold LEED-certified convention

25 center. Natural daylight provides three-fourths of the lighting for the center's exhibition space, and it has reduced the use of potable water by three-fourths. Sensor-controlled

30 lights, natural ventilation and other efficiency measures cut energy use by 35 percent—saving the building's owners an estimated \$500,000 each year.

35 Built on an abandoned rail yard, the PNC Firstside Center is the nation's

largest Silver LEED-certified commercial building.



It uses about 30 percent less energy

40 than a traditional design, and is located near public transportation. "When we see energy costs going up ... as much as 20 percent, we think it energy efficiency makes

45 fiscal sense for shareholders*, employees, and the communities we do business with," says Gary Saulson of PNC corporate real estate.

50 Investing in a green economy does more than save energy: it also attracts businesses and creates jobs. The Pittsburgh region expects to see

55 energy during the next two decades.

Cities and towns play an important role in encouraging more energy-efficient buildings.

Pittsburgh has shown that a "green" vision, political ingenuity and persistence, and the support of private institutions can revitalize a region's economy, reduce global

60 warming emissions, and provide a stewardship model for the nation.

(to) belch : (ici) *rejeter*

(to) falter : *fléchir, faiblir*

shareholders : *actionnaires*

➤ **COMPARE** what Pittsburgh looked like in the PAST (in the 19th century) and what it looks like NOW.

Pittsburgh – THEN	Pittsburgh – NOW

➤ **What are the benefits of all the environmentally-friendly initiatives started across the city?**

➤ **Make a list of all the green solutions developed for Pittsburgh’s Convention Center.**

➤ **Make a list of all the green solutions developed for the PNC Firstside Center**

➤ **Why is Pittsburgh a role model for green initiatives? How has it helped the city’s economy ?**

7. GET READY TO SPEAK - Pittsburgh: A Green City

► *Make an oral presentation about Pittsburgh's green initiatives*

- Your **introduction** can include details about the city's industrial past.

Use the **SIMPLE PAST** tense:

*"Pittsburgh **used to be...**" - "The city **was ...**" - "The industrial sites **were...**"*

- Present the various green **solutions** the city has initiated.

You can use the **PRESENT PERFECT** tense:

*"They **have built** energy-efficient buildings." - "Natural light **has replaced** neon lights and incandescent lights bulbs."*

- Give details about the **benefits** for the city in terms of economic impact, public health and quality of life.

You can use the **SIMPLE PRESENT** tense:

*"It **attracts** businesses" - "The residents **enjoy** a smoke-free environment."*

8. SPEAK - The Top 20 Greenest Cities in the World

In a globalized world there is a lot of competition between cities to get recognized as the "greenest city".

► *Select one city among this list of the world's 20 greenest cities.*

- | | | |
|------------------------|-------------------------------|---------------------------|
| A. Copenhagen, Denmark | G. Greenville, South Carolina | N. Oslo, Norway |
| B. Stockholm, Sweden | H. Curitiba, Brazil | O. London, England |
| C. Vancouver, Canada | I. San Francisco, USA | P. Amsterdam, Netherlands |
| D. Seattle, Washington | J. Reykjavík, Iceland | Q. Portland, Oregon |
| E. Singapore City | K. Bristol, England | R. Freiburg, Germany |
| F. Helsinki, Finland | L. Chicago, Illinois | S. Strasbourg, France |
| | M. Geneva, Switzerland | T. Sydney, Australia |

► *Prepare an oral presentation about the city you have selected:*

- Your presentation **should** be about **5 to 7 minutes long**.
- You have to **describe** the city's **characteristics** (location, size, environmental issues, ...)
- You have to **explain** what **eco-friendly solutions** have been introduced to face **challenges** like local air quality, traffic congestion, water pollution, energy conservation, waste management and recycling, ...)
- You **can** use some **pictures** or **charts** to **illustrate** your presentation.
- You **shouldn't hide** behind your notes, so try to keep **eye contact** with your listeners.