

Urban Gardening

Setting the Scene – Guided Discussion

Answer these questions in 1-2 sentences. (Think-Pair-Share)

- ☼ How concerned are you about where your food comes from?
- ☼ In your opinion, what is “urban gardening”?
- ☼ Which current problems in farming could be solved by “urban gardening”?
- Have you ever grown your own fruits and vegetables? Why not/which ones? If not, which ones would you like to grow? Which problems did you encounter?

VOCABULARY

1. Give a definition for the following words:




1	organic		
2	seeds	N	
3	soil		
4	sustainable		
5	pests		
6	pesticide		
7	livestock		
8	harvest	Vb	
9	compost		
10	greenhouses		
11	plots of land		
12	free-range		

2. Correct the sentences. The words in bold are in the incorrect spaces!

- a. In many ways, biodiversity loss is a greater threat than climate change – when we **paradigm** ecosystems, they reach a point of no return. _____
- b. Soil is a major source of **supply chain** needed by plants for growth. _____
- c. The report suggests concrete steps towards the needed **amenable** shift from an environment-destroying concept to a more sustainable one. _____
- d. The late flowering and late fruit setting of the plant is influenced by temperature and the relative **nutrients** of the air. _____
- e. International leaders must try to make a difference - and not only hope for **degrade** change and progress. _____
- f. The food **humidity** should decrease its reliance on non-renewable energy. _____
- g. The system should be **incremental** to change its technological systems. _____

Urban Gardening Projects

Look at the slideshow (Urban Farming Pictures) and choose one of the projects. Use the I see- I think – I wonder to talk about it. Share with the class.
<https://www.nationalgeographic.com/environment/habitats/urban/#/56205.jpg>

See Think Wonder		
 <u>SEE</u> What do you see?	 <u>THINK</u> What do you think is going on?	 <u>WONDER</u> What does it make you wonder?

Adapted by Alice Vigors 2017

Vertical Farming

1. Videos

Watch these two videos and complete the table below, with information from both videos.

<https://www.youtube.com/watch?v=QT4TWbPLrN8>

https://www.youtube.com/watch?v=_5_COI_L4yY

Problems in current society	Problems of current agriculture	Benefits of vertical farming

2. Article: Vertical Farming

<http://www.verticalfarminstitute.org/vertical-farming/>

Read the article and add some new pieces of information in the table above.

3. Questions

Group work: Based on the information from the videos and article, create 5 questions for the other groups to answer. (Note for teachers: divide the class in 6 groups – 2 groups ask questions related to the first video, 2 groups related to the second video, 2 groups related to the article.)

Final discussion:

What is your personal opinion about vertical farming? Write a short comment (120 words)