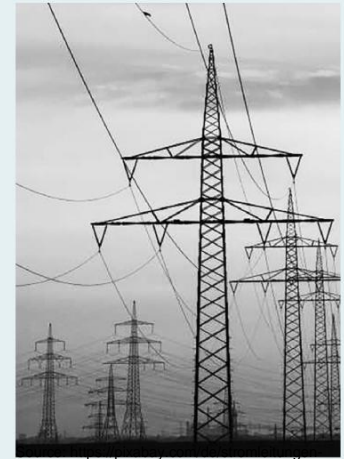


Worksheet 1a

Power grids across Europe

Is this what it should look like in front of your front door?

A citizens' initiative has been formed in your town. You have heard that they want to prevent an overhead power line (a high-voltage transmission line), coming from the coast of Denmark and going on to Spain, from being routed past the outskirts of your town. By means of a public petition the inhabitants – i.e. you as well – should declare themselves to be for or against this project. Before you make your decision you want to understand what is at stake.



pylonen-strommasten-185500/CC0 Public Domain

In order to inform your fellow pupils, you design a poster to be put up in the school, and write a short article for the school newspaper. Working in teams of four you tackle the following three problems and prepare a presentation for the information event of the citizens' initiative. So that you can work efficiently in your groups, each of you is to take on one specific task as stated in a "role-card".

Task 1

1. Explain the various methods of generating electricity by means of coal-fired power stations, photovoltaic installations, wind generators and nuclear power stations.
 - a) For this you must first of all gather information about one of the topics and become an "Expert". A worksheet will help you. Meet the experts of the other groups in an "Expert Panel Group" and work through this worksheet.

Active Listening



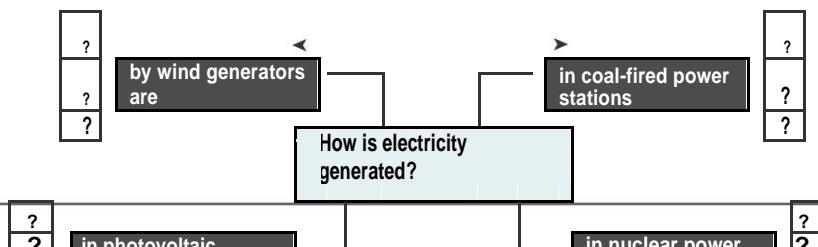
Facing each other	"Okay"
Eye contact	"I still don't understand the last point!"
	"Could you please repeat that point again?"

A task for all you is "active listening". How this could appear or sound like is explained in this box.

Nodding

- b) Then return to your original group and become the teacher: In a "lesson group" you present the method of generating electricity that you concentrated on and answer your team members' questions.
- c) Write down the most important points of these methods on a poster in the form of a mindmap. In your group decide what the most important points are.

Suggestion:



	installations
?	

stations	
	?

(Tip: Keep some space in the table for Task 3!)

C i m T e a m 4 E U

Worksheet 1b

Power grids across Europe

2. Various energy sources supply the European population with energy.

Inform yourselves on the website

<http://www.europa-auf-einen-blick.de/index.html>

about the most important energy sources in Europe. Limit yourselves to Norway, Denmark, Germany, Poland, France and Spain. Mark these energy sources at the correct place on the map of Europe.

3. In your original group discuss with your "Expert" the various methods of generating electricity and the advantages and disadvantages of each one – then summarise these clearly on your poster.

4. Most people do not find power grids attractive – certainly not close to where they live. Therefore the announcement that there are plans to build one can lead to protests or even to a public petition. As part of your thorough preparation you must also be able to answer the question as to why they are to be built nevertheless.

a) Explain possible reasons for the political decision to build power grids right across Europe, even though there is widespread rejection of this idea in the population. Refer to the "Pros and Cons Table" in Task 2.

b) This explanation should also be made clear on your poster.

5. In an editorial meeting you write (working together) an article for your school newspaper. Bear in mind that your fellow pupils probably won't read a long article.

a) Therefore decide on the basis of your information poster which information you will use and briefly explain, so that your fellow pupils will be able to understand why power grids should be built across Europe. Mark this information.

b) You will now need four different coloured pens, one for each of your team members. Your No. 1 writes a first sentence which No. 2 then reads out. In a different colour No. 2 supplements this sentence, writes an alternative below or continues it – and so on. Each person who has used a piece of information from your poster in his/her sentence, circles this on the poster. At the end you will not have a nicely phrased and understandable text. But it should be used as a basis for the final version, which you must now write on a PC, tablet or smartphone.



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Map of Europe

