

Method Sheet 1

Group puzzle (Original Group / Expert Panel Group)

Task:

Explain the various methods of generating electricity by means of

- Coal-fired power stations,
- Photovoltaic installations,
- Wind generators, and
- Nuclear power stations.

1. For this you must first of all gather information about one of the topics and become an "Expert". Then teams are formed. In each team one pupil should inform himself/herself about one of the methods of generating electricity, i.e. in each group (**Original Group**) there will now be four experts – each on one of the methods (Image 1). Then the Original Groups spilt up and the Experts on each method form "Expert Panel Groups" (Image 2)
2. In an "Expert Panel Group" you meet the experts of the other teams and work through the worksheet.

Image 1:

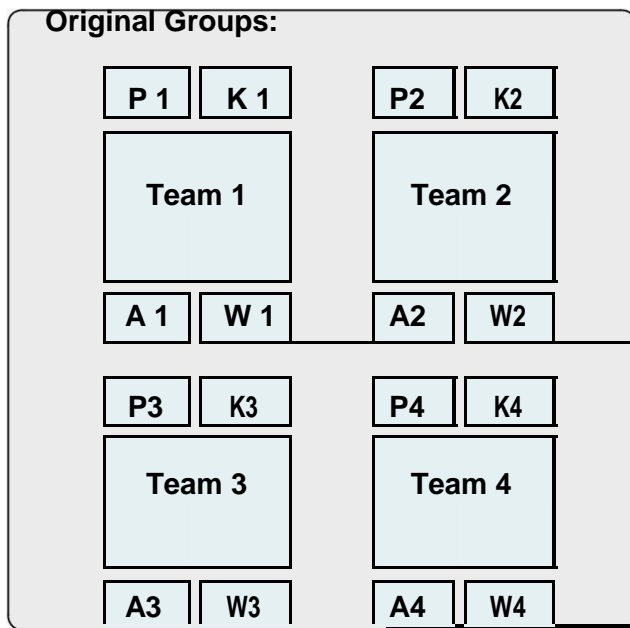
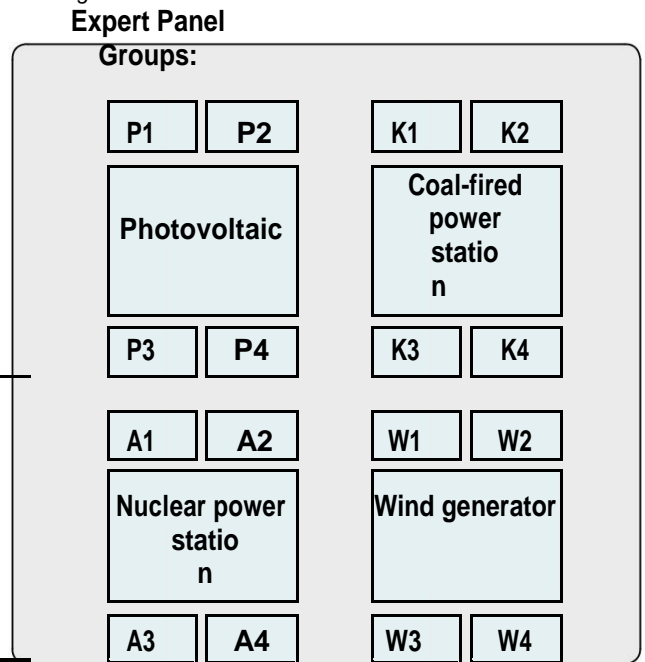


Image 2:



P = Photovoltaic System **K = Coal-fired power station** **A = Nuclear power station** **W = Wind generator**

3. You then return to your Original Group and become the teacher: in a "lesson" you present the method of generating electricity that you concentrated on and answer the questions of your team members.