

Energy Sources quiz, team contest

Rules:

STUDENTS DIVIDED INTO TEAMS (of 8- 9 each).

The director of the game will read the sentences from 1 to eight for each energy sources. If a team guesses the right source at the first sentence they will gain eight points, at the second seven and so on. The more information they need to guess the right answer the lower score! As soon as a team thinks they have the right answer one of the members will rush to toll the bell. The first one to reach the bell will gain the right to answer. The slower running players (if any) will be able to answer only if those who proceed will give the wrong answer.

The right place for this game is open air or a very large and empty hall!

Water power

1. I belong to regenerative energies.
2. In EU, with a 1,5 % share of the energy mix, I'm the second most important source of renewable energy.
3. In China globally most of the energy is produced with my help.
4. In Norway with my help they produce up to 98% of the electrical power, while in Sweden almost half of it.
5. For large projects involving my use it's often necessary to move whole villages and towns.
6. Particularly when I'm going downhill, I can produce a large quantity of free energy
7. One of the possible ways to produce energy from me is for instance with a tide power plant.
8. Another word for me is "hydro energy".

Oil

1. I belong to fossil fuels.
2. I'm not a very ecological energy source.
3. My known supplies will last only 40 years.
4. My share of the EU energy mix amounts to 38%.
5. Today I'm the most important source of energy of the industrialized countries.
6. I must be imported for over 80% from countries outside EU.
7. In transport above all without me almost nothing works.
8. I'm also called the "black gold".

Wind power

1. I'm almost CO₂ free.
2. My share of the EU energy mix amounts only to 0,3%.
3. The cost for the production one KWh through me has been halved since 1990.
4. Men have used my energy since a long time ago, for instance to move.
5. I'm produced mostly in big "Energy Parks".
6. You can find me on dry land but I'm mostly impressive out in the open sea.
7. Some people find me too noisy and they don't think I fit well into natural landscapes.
8. I'm also called the sky kid...

Nuclear Energy

1. I'm a source of energy almost CO₂ free.
2. I'm used mostly to produce electrical power.
3. My share of the EU energy mix amounts to 14%.
4. Only a 2% of my raw material comes from EU.
5. In Austria they don't want even to hear about me.
6. In France on the contrary I'm a star!
7. In Tschernobyl in 1986 I had a bad accident.
8. I go on emitting radiation for thousands of years.

Solar Energy

1. I belong to the CO₂ free energy sources.
2. Up to now my share of the EU energy mix amounts only to 0,04%.
3. I can be decentralized very well.
4. Unfortunately I'm not always available.
5. I play a most important role in the photosynthesis.
6. I come from a long way.
7. The energy is produced through the transformation of my rays and my heat.
8. I can also be used just to get a tan.

Coal

1. Globally I'm having an increase ?
2. 30% of the electrical power of Europe is produced with my help.
3. My supplies will last still for a long time .
4. My share of the EU energy mix amounts to 18%.
5. Up to now the power plants in which I'm used have been considered not ecological at all.
6. Very soon though there will be also some without CO₂ emission to the air.
7. Without me the industrialization process would have not progressed further.
8. In everyday language I'm used also for a real barbecue.

Biomass

1. I'm the star of the renewable energies.
2. My share of the EU energy mix amounts surely to 4,2%.
3. The EU has also designed an action plan to promote my use.
4. I'm an all round talent and I can be used to produce heat and electricity.
5. Some people are afraid that with my increased production and use the prices of food may rise.
6. I emit only the CO₂ that during my growth I've taken from the atmosphere.
7. You can produce me from a lot of different raw materials, for instance wood scraps, sugar cane, corn or red roots or organic waste.
8. You can produce for example Bio Ethanol with me.

Methane (Natural gas)

1. My share of the EU energy mix amounts to 24%.
2. I must be imported from countries outside EU for a 63% share.
3. Many see me as a "bridge" energy vector.
4. I can change my state of aggregation.
5. I play an increasingly important role mostly in heating and in electricity production.
6. Denmark exports me into other countries.
7. But I mostly come from Russia, Norway or Algeria.
8. As a rule I'm transported through long pipelines.

Geothermal

1. I'm an almost CO₂ free energy source.
2. My share of the EU energy mix amounts to 0,3%.
3. I'm one who keeps his feet on the ground!
4. In Island I'm the most important energy source.
5. With me you can produce electrical energy from heat.
6. If you use me directly I'm very good for centralized heat.
7. To get me you must often drill very deep.
8. I'm the heat stored in the earth crust.

Energy efficiency

1. Many people see me as the energy source of the future.
2. In transports and buildings I have for instance an enormous potential for growth.
3. Some people say that the economic growth is always one pace ahead of me.
4. In the 70's I've had my glorious moment, as many had a sudden interest in me.
5. When the energy prices are low, unfortunately they find me less interesting.
6. Well... I'm not really a source of energy!
7. You can measure me in "Negawatt".
8. I'm the energy that has been saved. With me you can obtain the same or even more with less (for instance to go from A to B).

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