

Key answers First Exam (English Skills for Energy Economics)

Comprehension of the text:

Exercise One: Write true or false next to each of the statements below: (4pts)

1. The energy crisis generated by Russia's invasion of Ukraine decreased the inclination towards the use of renewable. (F)
2. Competitiveness of solar PV and wind generation has been progressing because of the increase of fossil fuel prices. (T)
3. The use of renewable energy sources is championed by China, the European Union, the United States and Russia. (F)
4. Renewables are the only electricity generation source whose share is expected to grow, with rising shares for coal, natural gas, nuclear and oil generation. (F)

Exercise Two: A) Find synonyms of the following words in the text: activated § 1 sparked, production § 1 generation (4pts)

B) Find opposites of the following words in the text: declining § 1 growing, endless § 2 limited

Exercise Three: Explain the words below using your own words: (5pts)

1. The law of thermodynamics: It is a law that states that energy can neither be created nor destroyed.
2. Conversion of energy. It means the same as transformation of energy.
3. Externalities: A consequence of an industrial or commercial activity which affects other parties without this being reflected in market prices.
4. Fossil fuels: finite energy sources like oil, gas and coal.
5. GDP and GPI/ Gross Domestic Product/ Genuine Progress Indicator.

Exercise Four: Answer the questions below: What is meant by

1. Ocean-acidification? It refers to a reduction in the PH of the ocean over an extended period of time, caused primarily by an uptake of CO₂ from the atmosphere.
2. Cap and trade policy? A system of controlling carbon emissions into the atmosphere.
3. Kinetic energy: Energy which a body possesses by virtue of being in motion.
4. Green house gases: Harmful gases that are released into the atmosphere.
5. Which fossil fuel is the cleanest of all the fossil fuel energy sources that you know? Why
Natural gas, because it releases the least amount of carbon dioxide when combusted.
6. OPEC: organization of petroleum exporting countries.
7. Environmental Economics: is the study of the cost-effective allocation, use, and protection of the world's natural resources.