

U4L2A4 | Energy sustainability activity

overview

In this activity you will work in a small group (3–4 people) to assess the advantages and disadvantages of seven major energy sources (oil, natural gas, coal, nuclear, solar, wind and hydroelectric). You will use the internet to conduct research—be sure to cite all sources for credibility. Remember, information is only as reliable as its source!

learning goal

- To understand that all energy sources have pros and cons which determine their degree of sustainability.

success criteria

- Detailed analysis and deep thinking demonstrated in assessment of advantages and disadvantages.

Inquiry question

- Which energy sources are the most sustainable?

Conventional sources

Non-renewable energy sources	Advantages	Disadvantages
Oil		

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Conventional sources

Non-renewable energy sources	Advantages	Disadvantages
Natural gas		
Coal		

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Alternative sources

Renewable energy sources	Advantages	Disadvantages
Solar		

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Alternative sources

Renewable energy sources	Advantages	Disadvantages
Wind		

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Alternative sources

Renewable energy sources	Advantages	Disadvantages
Hydroelectric		