



Green Issues

Our Energy

Resources

Unit 1.13

Starlight 10

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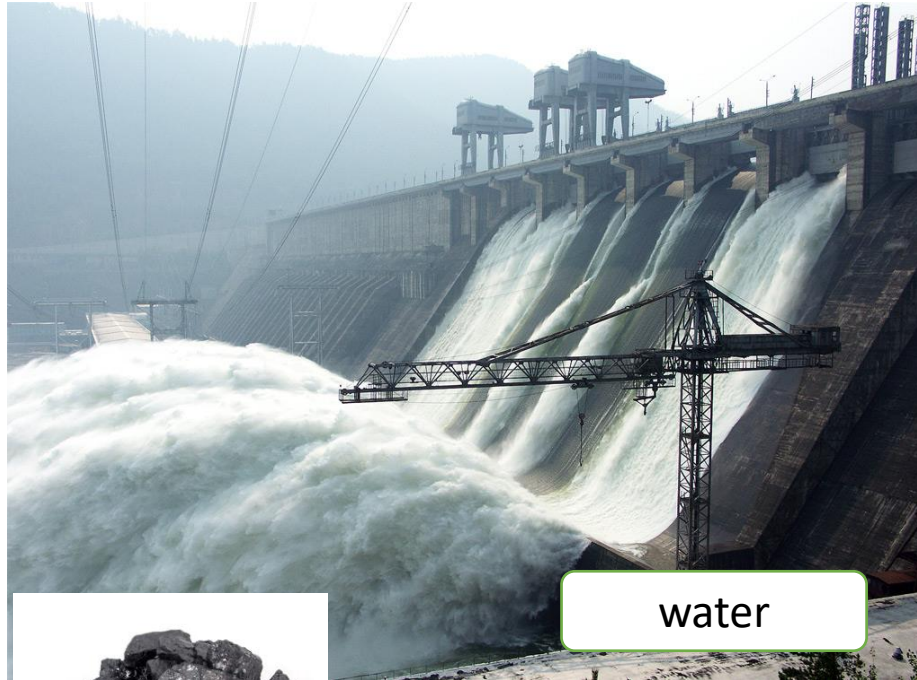
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$$E = mc^2$$



Which energy resources will/will not eventually run out?



water



oil



natural gas



coal



sun



wind



wood

Our goal:

We can talk about different energy resources and know how to save it

Plan:

- Read the text about energy resources and form derivatives from the words in brackets
- Discuss benefits of using water, wind and solar power as energy sources (pair work)
- Listen to the dialogue about how to save energy and list the points

Criteria

- I can explain the difference between renewable and non-renewable energy sources
- I can discuss the benefits of using water, wind and solar power as energy resources

*Read the text and complete gaps 1-6 with the correct derivative of each word in capitals.
Compare answers with a partner. Listen and check.*

Reading

Our energy resources

Ex. 2, p.30

POSSIBLE

IMPOSSIBLE

GROUND

UNDERGROUND

GLOBE

GLOBAL

END

ENDLESS

POWER

POWERFUL

COMPLETE

COMPLETELY



Speaking

Energy discussion (pair work)

Ex. 4, p.30

*In pairs, discuss the benefits of using
water, wind and solar power as energy
sources.*

*What is the main source
of energy in our city?
Does the Irkutsk hydroelectric power
plant cause damage to the
environment?*



Listening

How to save energy

Ex. 5, p.30



home	school



Act out the dialogue:

- *I'm Hi Mike, what types of energy do you know?*
- *I am not sure. Can you tell me more about it?*
- *Sure! There are two main types of energy sources - renewable and non-renewable. Non-renewable energy comes from things like coal and oil which can't be replaced once they're used up. Renewable energy, on the other hand, comes from natural resources that we can use again and again like wind, water, and sun.*
- *Why is using non-renewable energy so bad?*
- *When we burn fossil fuels like coal or gas to produce energy, it creates harmful pollution in our air and water. It's also a finite resource, meaning that one day it will run out. That's why we need to start looking towards clean, sustainable energy sources instead.*
- *What can we do to help?*
- *Even small changes can make a big difference! You could try turning off lights when you leave a room, recycling, or taking public transportation instead of driving alone. It's important to spread awareness and encourage others to make eco-friendly choices too.*

Answer the questions:

1. *What are the two categories of energy resources?*
2. *How do non-renewable energy sources differ from renewable energy sources?*
3. *Give examples of non-renewable energy sources.*
4. *How were fossil fuels formed, and where are they found?*
5. *What happens when fossil fuels are burnt, and what is the consequence of this process?*
6. *Name three examples of renewable energy resources.*
7. *How is wind power converted into electricity?*
8. *How can flowing water be used to generate energy?*
9. *How does solar power contribute to meeting our energy needs?*
10. *What actions can individuals take to reduce their use of fossil fuels and conserve Earth's resources?*

Discussion:

STUDENT'S QUESTIONS

- 1. What are the two categories of energy resources?*
- 2. How do non-renewable energy sources differ from renewable energy sources?*
- 3. Give examples of non-renewable energy sources.*
- 4. How were fossil fuels formed, and where are they found?*
- 5. What happens when fossil fuels are burnt, and what is the consequence of this process?*

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Reflexion:

1. I have learnt ...
2. Now I can...
3. I think the lesson was ...
(useful, informative, dull, dynamic,
important, instructive, actual,
interesting,)



Homework

Project
(p.30)

Useful links:

- [Карточки Starlight 10: Unit 1.13 | Quizlet](#)
- [\(799\) Non-renewable Energy Sources - Types of Energy for Kids - YouTube](#)
- [\(799\) Renewable Energy 101 | National Geographic - YouTube](#) +
- [Renewable energy interactive worksheet for pre-intermediate | Live Worksheets](#)
- [Energy sources online worksheet | Live Worksheets](#)
- [Renewable energy. Solar panels worksheet | Live Worksheets](#)
- [Goal 7 renewable and sustainable energy worksheet | Live Worksheets](#)