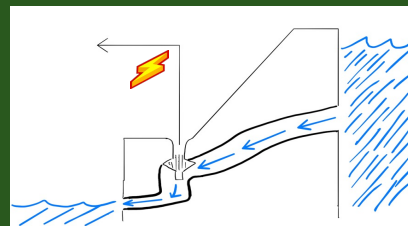


Renewable Energy Lesson

- Why Use Renewable Resources?
- Nonrenewable Resources
- Burning Fossil Fuels
- Renewable Resources
- Solar Energy
- Wind Energy
- Hydroelectricity
- Tidal Energy
- Geothermal
- Nuclear Fusion



Preview File

Please enjoy this preview of your Student Version of the presentation. Please note within this sample file:

- Some slides appear blank because they have been removed
- Student versions have portions of the text removed which is given in the teacher version and appear as _____ which the students are to fill in
- Other slides may have on them, this represents writing that has been removed on this sample

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both Google Slides and PowerPoint and is
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Why Use Renewable Resources?

1. What is a renewable resource?
2. What is a nonrenewable resource?
3. Why do you think it's a good idea to use renewable resources?

Energy Resources

Nonrenewable

Renewable

A resource that can renew itself over the course of a normal human lifespan.



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Nonrenewable Resources

→ Fossil Fuels → Energy

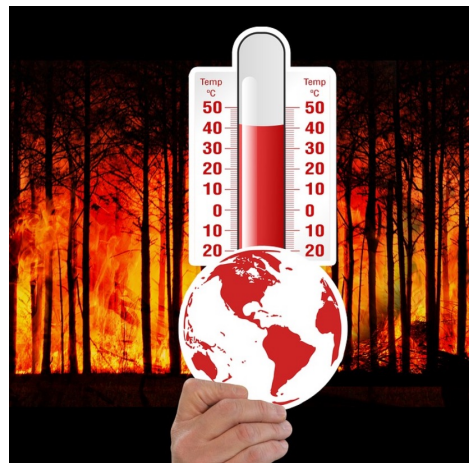
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- We use this energy to heat our homes, make our cars run, etc.



Burning Fossil Fuels

But, when we burn fossil fuels, they release CO₂ which is responsible for global warming.



Renewable Resources

→ Energy

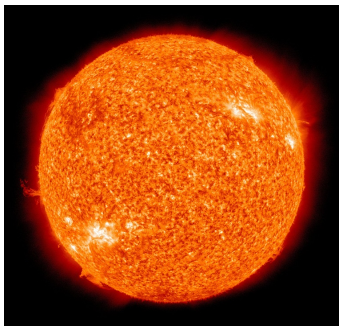
- We are slowly getting away from nonrenewable resources and starting to use more renewable ones
- Examples of renewable energy sources:
 - Solar (Sun)
 - Wind
 - Hydropower (water)
 - Geothermal



Solar Energy

- _____

- Every minute, enough sunlight reaches the Earth to power everything we do for an entire year!



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Future Solar Technology

-

- The solar roof acts like a regular roof but each shingle is a solar panel that provides electricity for the home



Wind Energy

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- Energy from the wind can be collected and changed into electrical energy



Wind Energy



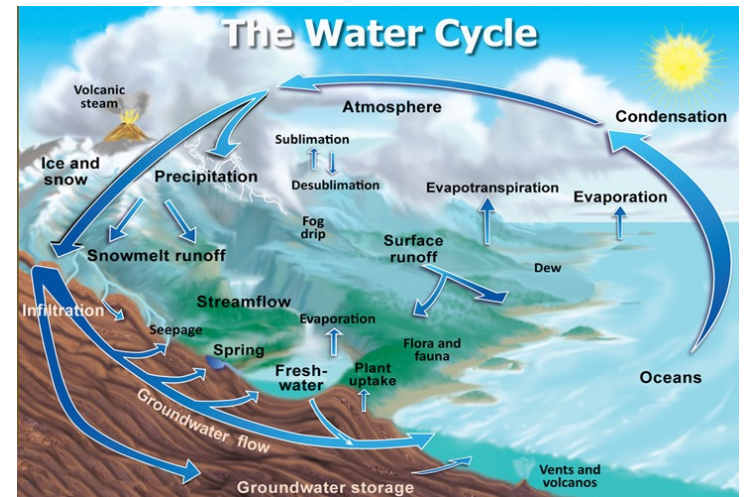
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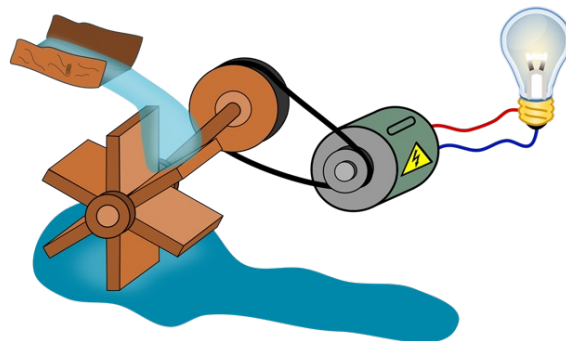
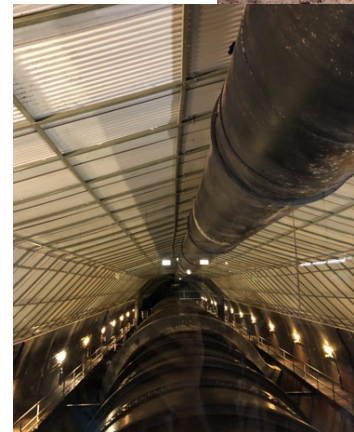
Hydroelectric Energy (Dams)

-

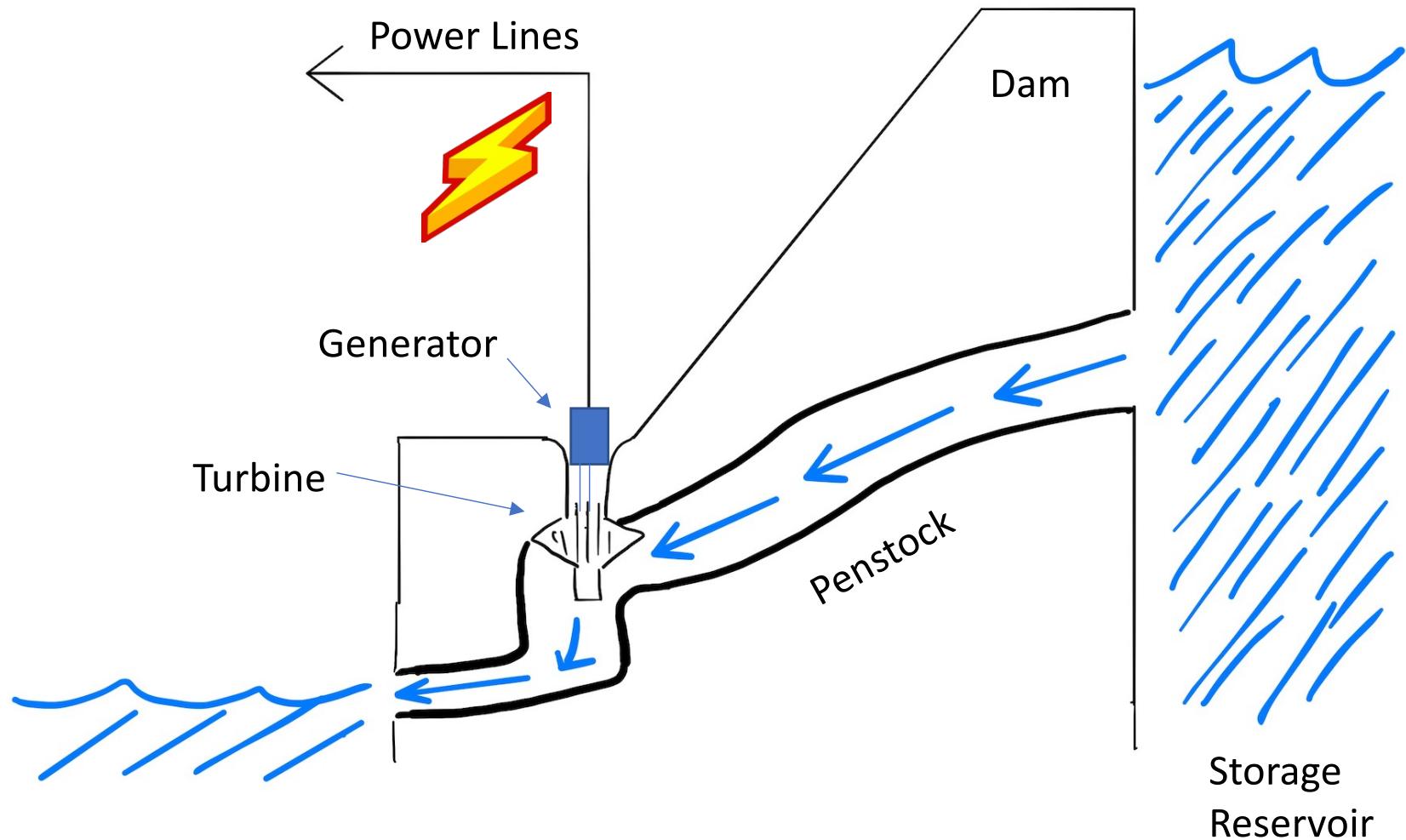
- The water then flows back to sea level by gravity
- We build dams to trap the water and create the two levels as shown



Hydroelectric Energy (Dams)



Hydroelectric Power



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Geothermal

Heat energy from deep under the Earth's surface is used to produce electricity.



Geothermal

- Water is pumped into the hot areas, it is heated, and changed into steam

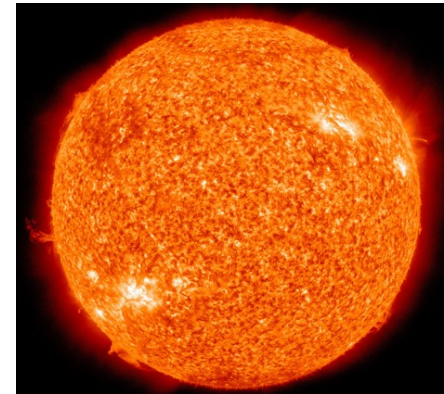


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Nuclear Fusion

- Very difficult to do and cannot be used yet



- _____

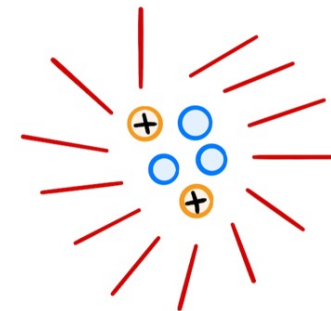
Deuterium



Helium



Tritium



ENERGY



Neutron