

**Energy: Renewable Energy
Study Guide
EVPP Lecture - Spring 2004
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Renewable Energy

- What is the difference between renewable and nonrenewable energy?
- What are the sources of renewable energy?
- What is hydroelectric energy, how is it generated?
- What are some of the problems associated with hydroelectric dams and the reservoirs that are created by them?
- What is geothermal energy?
- What are the primary uses of geothermal energy?
- What are some of the problems associated with geothermal energy?
- What is tidal/oceanic energy?
- What is wind energy?
- How is wind energy captured?
- What are some of the problems associated with wind energy?
- What is solar energy?
- What are the three main use categories of solar energy?
- What is passive solar heating, how does it work, how are buildings designs that use this?
- What is active solar heating, how does it work, how are buildings designs that use this?
- What are photovoltaic cells?
- What are some of the problems associated with the use of solar energy?
- What are some aspects of energy conservation?
- Do all parts of the earth receive the same amount of solar energy and if not, what factors determine the amount of solar energy is received?