From readings (Page 1-28):

<http://www.inference.phy.cam.ac.uk/withouthotair/c1/page_2.shtml>

<http://www.inference.phy.cam.ac.uk/withouthotair/c2/page_22.shtml>

1. What are the three drivers for the energy discussions?

2. What is a greenhouse gas?

3. What are the top three main greenhouse gases?

4. Why are greenhouse gases expressed as CO2e?

5. Why aren't other greenhouse gases explicitly expressed?

6. In 2000, what was the approximate CO2e/y emissions for the U.S., China, and India?

7. What percentage of the total world-wide emissions do these represent (U.S., China, India)?

8. What are the major fossil fuels that contain high percentages of carbon?

9. Based on 2000 data, if China had the same CO2e/y per person as the U.S., approximately (a) what would be their total CO2e/y, (b) what percentage change is this, and (c) after this increase, what would the change in the world CO2e/y per person?

10. Predictions are that India's population is growing and will exceed China by 2020. (a) Based on

2000 data, if India increased their CO2e/y per person to U.S. levels, how much would the greenhouse gases per person increase? (b) If then India increased their population by 50%, what percentage of the total CO2e/y (based on 2000 levels) would India contribute world-wide?

From readings:

<http://books.google.com/books?id=CnHnsUBCgSUC&printsec=frontcover&dq=renewable+energy+policy&source=bl&ots=nS62R906G_&sig=e2uZUTBMlF7f5O-I5V2AFqbx-LQ&hl=en&ei=yKUqTeKtA8L58Abuo9DnAQ&sa=X&oi=book_result&ct=result&resnum=3&sqi=2&ved=0CDoQ6AEwAg#v=onepage&q&f=false>

11. What is a feed-in Tariff, what are its pros and cons, and why has it caused major adoption of solar in Germany?

12. What is a Renewable Portfolio Standard?

13. What are the targets for Oregon in 2025? What renewable sources does it include?

14. What is the Oregon Business Energy Tax Credit (BETC) and how does it work?

15. What are REC's, what are their pros and cons, and how do they work?

16. What are three reasons for having policy intervention?

17. What are the two contradictory goals of market-friendly policies?

18. What are four explanations for why the Netherlands' green electricity market has been so successful with over 25% adoption of renewable energy?