

QUIZ FOUR REVIEW SHEET

VOCABULARY

fossil fuels	renewable energy	non-renewable energy
bioaccumulation	conservation	cogeneration
ethanol		

CONCEPTS

ENERGY: PATTERNS OF CONSUMPTION AND FOSSIL FUELS

Most of our energy comes from the sun (even fossil fuels are “sun” energy)
 History of energy consumption, switch from wood to fossil fuels in late 1800s
 Importance of car in driving energy needs of US
 Trends in energy consumption, especially US
 How sources of energy relate to the various end uses (graphic)
 Energy sources for generating electricity in the United States
 Oil production vs. consumption in US
 Peak oil: about when and what it means
 Economics and Politics of Energy Use slide – US has low gas taxes
 Carbon dioxide emissions (per capita) slide

ENERGY: CONSERVATION AND ALTERNATIVE SOURCES

Drilling could extend US oil for a short time, but is not a solution to future needs
 Current use of nuclear power in US
 Nuclear vs. coal (pros and cons)
 Conservation: many opportunities and could significantly lower our energy needs
 Sources of renewable energy
 Difference in price between renewables and non-renewables may be exaggerated
 because they receive few or no subsidies
 Ways in which we can harness energy from the ocean
 Corn ethanol in US is relatively inefficient method of producing ethanol
 Negative effects of dams
 Relative subsidies given to different energy-related sectors
 Future of energy slide
