

ENVIRONMENTAL STUDIES (SC111)
HOMEQUIZ 6 (Ch. 8)

Friday, March 28, 2014
Due: Wednesday, April 2, 2014

NAME: _____

TRUE OR FALSE: (10 pts)

- _____ One of the most significant innovations of early humans was the use of biomass (wood...) energy to extract and refine metals.
- _____ Natural gas consumption did not increase nearly as rapidly as oil consumption in the United States early in the twentieth century, but became a major source of energy in the late twentieth century.
- _____ People in the United States pay much more for gasoline than do people in almost every other industrialized country.
- _____ A country with a high gross domestic product (GDP) usually uses a much lower percentage of energy per capita than a less-developed country.
- _____ Fossil fuels are liquid deposits of iron ore found only in sedimentary rock formations.
- _____ Fossil fuels replaced wood as the primary source of energy in developed nations.
- _____ The first fossil fuel to be used by man was oil which was followed by coal.
- _____ Analysts predict that the worldwide demand for energy will decrease in the future.
- _____ A constant supply of energy is required by all living things to maintain life.
- _____ There is a great difference between the electrical consumption in developed and less-developed countries, and almost no difference between developed country's consumption rates.

MULTIPLE CHOICES: (15 pts)

1. In hunter-gatherer societies, almost all energy needs are supplied by
 - a) Coal
 - b) Natural gas
 - c) Plants (wood) and animals
 - d) Kerosene
 - e) None of the above
2. The Industrial Revolution resulted in
 - a) Rural to urban migration of humans
 - b) Increased air pollution
 - c) Increased per capita consumption of energy
 - d) Higher standards of living
 - e) All of the above

3. Which of the following is associated with availability of cheap oil?
 - a) Lower rates of consumption
 - b) Government subsidies to maintain prices
 - c) Less international trade in fossil fuels
 - d) A greater emphasis on alternative fuels
 - e) All of the above
4. In which of the following ways do cars contribute to continually greater energy consumption in North America?
 - a) Better roads for bigger cars
 - b) Steel industry to build cars
 - c) Vacations at greater distance from home
 - d) Suburban sprawl
 - e) All of the above
5. Total energy consumption in the USA and Canada is about how many times the energy consumption of the people of India?
 - a) About even
 - b) Double
 - c) 10 times
 - d) 25 times
 - e) 100 times
6. Which of the following is not associated with current worldwide energy consumption trends?
 - a) Over half the energy is consumed by only 25 countries
 - b) Hydroelectric is now the main source of energy
 - c) Rapidly industrializing countries are increasing their energy consumption faster than all other countries
 - d) World energy consumption was 25% higher in 2007 than 10 years before
 - e) All of the above are associated with current energy consumption trends
7. Energy is defined as
 - a) The potential to do work
 - b) Calorie consumption per hour
 - c) Any kind of molecule that has the ability to cause objects to move
 - d) Force exerted per unit of time
8. In order for a nation to participate in the Industrial Revolution, they had to have
 - a) an automobile industry.
 - b) a source of coal.
 - c) a source of electricity.
 - d) a source of wood.
9. Choose the correct historical sequence of fuel use in the U.S. from 1800 to the present.
 - a) wood, coal, oil, gas
 - b) coal, wood, gas, oil
 - c) wood, oil, coal, gas
 - d) oil, wood, coal, gas
10. The first transfer of energy on Earth occurs
 - a) during respiration
 - b) within the molten core
 - c) during photosynthesis
 - d) none of the above

11. The principle use of oil during the first 60 years of production was
 - a) kerosene
 - b) gasoline
 - c) heating oil
 - d) lubricating oil
12. Which of the following consumer goods is responsible for creating jobs, increasing energy consumption, and altering people's lifestyle?
 - a) television
 - b) prefabricated housing
 - c) automobile
 - d) electric appliances
13. Which country is NOT a member of OPEC?
 - a) Nigeria
 - b) United States
 - c) Saudi Arabia
 - d) Kuwait
14. How much of the world's oil reserve is controlled by OPEC?
 - a) <10%
 - b) 11-20%
 - c) 21-40%
 - d) 41-60%
 - e) >60%
15. Over half of world energy is consumed by 25 countries who are members of:
 - a) OPEC
 - b) CITES
 - c) EU
 - d) OECD