Name:	Block: Date:
Introduc	tion To Energy
Sq.	In In Directly
frue/False	
Indicate wh	nether the statement is true or false.
1	Most energy transformations are very efficient.
2	Most energy savings in recent years have come from improved technologies in industry, vehicles, and appliances.
3.	Electricity is said to be a secondary source of energy.
4.	Over the course of a year the average American uses about as much energy as is contained in 250 gallons of oil.
5.	Incandescent light bulbs are the very energy efficient light bulbs.
, 6.	Most of the energy lost in energy transformations is converted to potential energy.
7.	If every person in the U.S. used as much energy now as people did in the 1970's we would be using approximately double the energy we use today.
8.	Americans tend to use more energy when prices are high.
Multiple C Identify the	hoice choice that best completes the statement or answers the question.
9.	Energy is defined as the ability to and
	a. walk, talk c. light a room, start a car
	b. do work, produce change d. grow, prosper
10.	The law of conservation of energy states that
	a energy gets transferred c. energy is neither created nor between objects destroyed
	b. mass is not lost in a chemical d. energy is best used in science reaction class

A silly old man is a fossil fool.

11. When we use energy it a. gets used up c. it goes out into space b. is used very efficiently d. it changes from one form to another 12. BTU stands for a. best teacher in the universe c. Betty Tall Unit b. British Thermal Unit d. British Towns United. 13. Rank the following from most to least energy efficient. a. the human body c. an incandescent light bulb b. an electric power plant Completion Complete each statement. 14. We call petroleum, coal, natural gas, uranium and propane_____ because they cannot be replenished in a short period of time. 15. Biomass, geothermal, hydropower, solar and wind are ____ because they can be replenished in a short period of time. 16. The number 1 source for generating electricity in the US is 17. Every day, the average American uses about as much energy as is stored in of gasoline. 18. What is another name for energy use? 19. Define Potential Energy and list its forms. 20. Define Kinetic Energy and list its forms. 21. List the renewable energy sources.



- 22. List the nonrenewable resources.
- 23. The fuel for your body is _____ and it's overall efficiency is about _____% The rest of the energy is used as _____.
- 24. The U.S. Department of Energy uses the following categories to classify energy users,______

_____, and

- 25. What energy users are included in the industrial sector?
- 26. List the energy users in the residential/commercial sector.
- 27. List the energy users in the transportation sector.
- 28. Why are residential and commercial lumped together?
- 29. Define gross domestic product.

Matching

[235]

- a. sound
- b. lightening
- c. nuclear
- d. motion
- e. chemical
- f. gravitational

- g. stored mechanical
- h. wasted
- i. radiant
- i. thermal
- k. electrical
- 30. Energy stored by objects by the application of a force.
- 31. Electromagnetic energy that travels in transverse waves.
- _ _ 32. Energy stored in the nucleus of an atom.

-	33. The movement of energy through substances in longitudinal waves.
.—	34. The energy stored in the bonds of atoms and melecules.
-	35. The movement of objects and substances from one place to another.
	36. The energy of position or place
	37. The movement of electrons.
	38. Heat energy, the internal energy in substances.
	Match the energy use amount with the sector of the economy using it. b. 22.6% c. 30.8% d. 28.1%
_	39. residential
	40. commercial
-	41. industry
	42. transportation

