1. Which sector of the economy consumes the most energy?
   - A) transportation
   - B) industry
   - C) residential/commercial
   - D) electric power

2. Most of the energy consumed in the U.S. is stored in which form of energy?
   - A) kinetic
   - B) thermal
   - C) chemical
   - D) mechanical

3. In which form do all energy flows begin?
   - A) electrical
   - B) chemical
   - C) radiant
   - D) nuclear

4. Which of the following is not a primary source of energy?
   - A) petroleum
   - B) natural gas
   - C) electricity
   - D) all of the above

5. Which energy source is used to generate the largest percentage of electricity in the U.S.?
   - A) hydropower
   - B) petroleum
   - C) coal
   - D) natural gas

6. What is the national average cost of a residential kWh of electricity?
   - A) 8 – 10 cents
   - B) 12 – 14 cents
   - C) 15 – 17 cents
   - D) 18 – 20 cents

7. When considering total energy consumption (including transportation, industry, and electricity), which of the renewable energy sources provides the U.S. with the greatest amount of energy?
   - A) biomass
   - B) hydropower
   - C) wind
   - D) solar

8. When considering total energy consumption (including transportation, industry, and electricity), which of the nonrenewable energy sources provides us with the greatest amount of energy?
   - A) petroleum
   - B) natural gas
   - C) coal
   - D) nuclear

9. Nonrenewable sources of energy make up what percentage of U.S. energy consumption?
   - A) less than 60%
   - B) 60 – 70%
   - C) 70 – 80%
   - D) 80 – 90%

10. What are the top five sources of energy used in the United States?
    - A) uranium, wind, natural gas, hydropower, biomass
    - B) petroleum, natural gas, coal, uranium, biomass
    - C) coal, petroleum, uranium, hydropower, solar
    - D) solar, coal, petroleum, geothermal, natural gas
11. What do coal, natural gas, nuclear, and some solar power plants have in common?

- all utilize cooling towers
- all burn a fuel to drive the turbine generator
- all emit CO₂
- all use thermal energy to drive the turbine generator

12. Which country provides the largest portion of imported oil to the U.S.?

- Egypt
- Saudi Arabia
- Venezuela
- Canada

13. Which renewable energy source generates the largest percentage of electricity in the U.S.?

- wind
- solar
- hydropower
- biomass

14. Which of the following is not a greenhouse gas?

- H₂O (water vapor)
- CO₂ (carbon dioxide)
- CH₄ (methane)
- N₂ (nitrogen)

15. When considering most thermal power plants, how efficient is the system, or, roughly how much energy will reach the consumer as electricity?

- one-third (1/3)
- one-fourth (1/4)
- one-half (1/2)
- three-fourths (3/4)

16. Opinion: I will take energy into consideration when I make my daily decisions.

- always
- most of the time
- some of the time
- never

17. Which are the top 3 users of energy in the average U.S. home?

- space heating, water heating, space cooling
- lighting, computers & electronics, water heating
- computers & electronics, cooking, space heating
- space cooling, lighting, water heating

18. What is life-cycle cost?

- Sticker price of an energy efficient appliance
- The environmental impact of an item
- Cost of using an appliance over your life
- Cost of purchasing, operating and maintaining a device over its life

19. An example of energy efficiency would be

- turning off the lights when you exit a room
- installing a LED to replace an old bulb
- combining multiple car trips into one
- turning down the temperature on the water heater

20. Which of the following features does not describe why CFL and LED bulbs are a smarter energy choice?

- lower life cycle cost
- longer bulb life
- more heat output
- higher lumen to KW output

21. The building envelope of a home or building does not include:

- insulation
- windows
- roofs
- lighting

22. Opinion: How knowledgeable do you feel about energy when making decisions about your purchase and use of the following?

<table>
<thead>
<tr>
<th></th>
<th>Very Knowledgeable</th>
<th>Average</th>
<th>Not Very Knowledgeable</th>
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<td>B</td>
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