

Science 9
Electricity Conservation: The New Trend
Student Name : _____



PART B: MULTIPLE CHOICE

1. What do we mean by “conservation”
 - (A) Is the careful preservation and protection of a resource
 - (B) To use something unwisely
 - (C) To spend all of your money
 - (D) To talk to people

2. Which of the following is not a fossil fuel?
 - (A) Oil
 - (B) Coal
 - (C) Natural Gas
 - (D) Hydro Electricity

3. What percentage of Canada’s electricity is produced using fossil fuels?
 - (A) 15%
 - (B) 25%
 - (C) 50%
 - (D) 75%

4. What greenhouse gas is produced from the burning of fossil fuels and causes global warning?
 - (A) carbon dioxide
 - (B) carbon monoxide
 - (C) nitrogen
 - (D) oxygen

5. Electricity Conservation can help save money and the enviroment?
 - (A) True
 - (B) False

6. Which of the following would be used to conserve electricity?
 - (A) Take shorter showers in the morning
 - (B) Reduce the amount of lights used in a room
 - (C) Turn down a heater
 - (D) All are correct

7. What was the name of a device developed by a Newfoundland Company to conserve electricity?
 - (A) Blue Line
 - (B) Power
 - (C) PowerCost
 - (D) Real Time

8. Providing people with real -time measurements of their electricity usage, will not reduce the amount of electricity they use?
- (A) True
(B) False
9. How should we spend money and make modifications to protect our environment?
- (A) Buy energy wise appliances and electronics
(B) Insulate our basements and attics
(C) Use programmable thermostats
(D) All are correct
10. Changing attitudes and habits is the key to protecting our environment?
- (A) True
(B) False
11. What percentage of energy is used for heating water in your home?
- (A) 10%
(B) 20%
(C) 50%
(D) 60%
12. Which of the following will not reduce the amount of hot water in your house
- (A) Insulate pipes
(B) Insulate your hot water take
(C) Use low flow shower heads
(D) Take long hot showers
13. The most efficient way to use a dishwasher and clothes washer is to fill it to capacity?
- (A) True
(B) False
14. If a person has more than one load to put in a clothes dryer, he or she should wait as long as possible between loads.
- (A) True
(B) False
15. Refrigerators and freezers work best when there is a lot of space around them.
- (A) True
(B) False
16. What is the best temperature for a refrigerator or a freezer ?

	Refrigerators	Freezers
(A)	5 °C to 10 °C	5 °C to 10 °C
(B)	5 °C to 10 °C	-5 °C
(C)	-5 °C	-5 °C
(D)	-5 °C	5 °C to 10 °C

17. A microwave uses less electricity than a conventional oven.
- (A) True
 - (B) False
18. Which of the following would not reduce the amount of electricity when cooking with a conventional oven?
- (A) Use glass dishes for cooking
 - (B) Putting covers on pots
 - (C) Using burners that match the size of burner
 - (D) Using a wooden spoon to stir pots
19. What percentage of energy is used for lightning in your home?
- (A) 15%
 - (B) 20%
 - (C) 25%
 - (D) 60%
20. How can you conserve electricity?
- (A) Use fluorescent or LED light bulbs
 - (B) Reduce thermostat settings in rooms, when they are not occupied
 - (C) Turn off lights, computers, and Bluray players when not being used
 - (D) All are correct

21. What two labels can be found on appliances to help indicate if it is energy efficient? [1]

22. Describe five occurrences in your house that wastes electricity. [2]

23. Describe two electricity conserving ideas that have not been discussed. [2]

24. Research the concept of “vampire energy”. How much energy and money is being consumed by energy vampires in your home?
