

15. A calculator uses a photovoltaic cell and a backup battery. Which of the following types of energy does the calculator use?

I	solar energy
II	chemical energy
III	kinetic energy

- A. I and II only
B. I and III only
C. II and III only
D. I, II, and III

16. B.C. student Ann Makosinski designed a cup that can charge a cellphone when it is filled with a hot beverage. What type of energy does this invention most likely transform into electrical energy?

- A. potential energy
B. thermal energy
C. mechanical energy
D. chemical energy

17. Which of the following are components of a generator system?

I	turbine
II	shaft
III	generator

- A. I and II only
B. I and III only
C. II and III only
D. I, II, and III
18. Which type of energy is transformed into electrical energy by a generator system?
- A. potential energy
B. kinetic energy
C. rotational energy
D. mechanical energy

19. Which of the following statements is true about energy?

- A. It can be created.
B. It can be destroyed.
C. It can be transformed.
D. All of the above.

20. Which of the following are used to generate electrical energy in British Columbia?

I	nuclear reactions
II	fossil fuels
III	river flow

- A. I and II only
B. I and III only
C. II and III only
D. I, II, and III