

QUIZIZZ

Sankey Diagrams

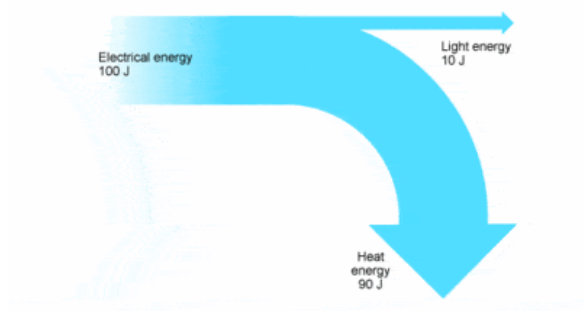
10 Questions

NAME : _____

CLASS : _____

DATE : _____

1.



Where does most of the energy go in this transformation.

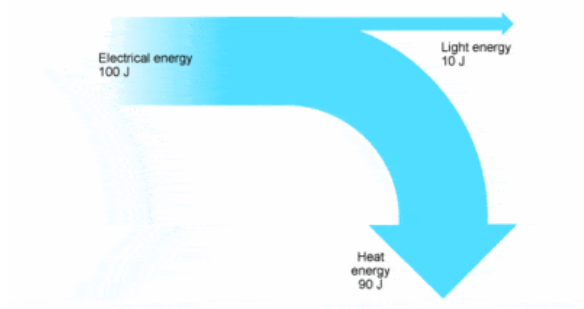
☐ a) Electrical energy

☐ c) Heat

☐ b) Light

☐ d) other

2.



What type of device might this Sankey be about?

☐ a) A very efficient LED light bulb

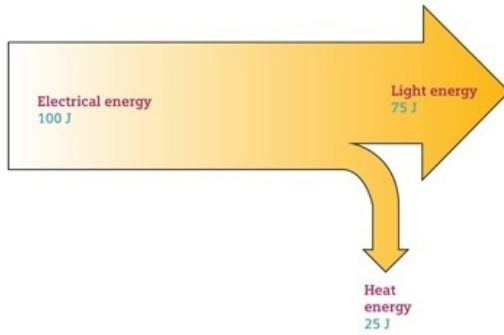
☐ c) A coal power plant

☐ b) A very inefficient incandescent light bulb

☐ d) A wind turbine

3.

Where does most of the energy go for this transformation.


☐ a) heat

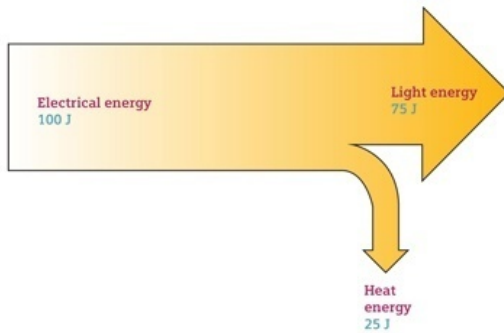
☐ b) electrical

☐ c) light

☐ d) joules

4.

What might a title be for this sankey?


☐ a) Electrical energy

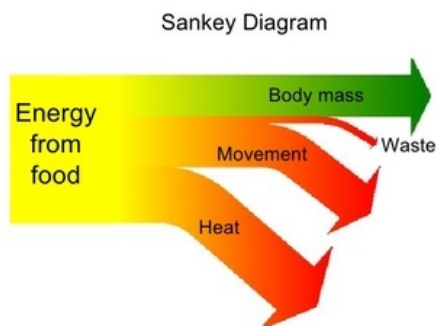
☐ b) Efficient light bulb

☐ c) 25 Joules of heat

☐ d) Sankey for a good heater.

5.

Assume there are 10 pieces of energy. Which is a close approximation to the number of pieces that transform into kinetic energy?

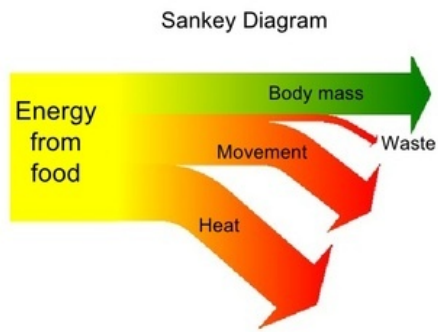

☐ a) 1

☐ b) 3

☐ c) 6

☐ d) 10

6.

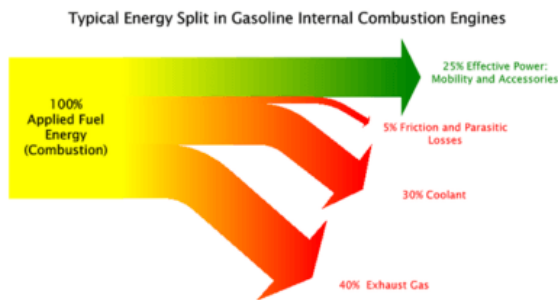


Which of the following is NOT a form of energy?

- ☐ a) movement
- ☐ c) heat

- ☐ b) body mass
- ☐ d) food

7.

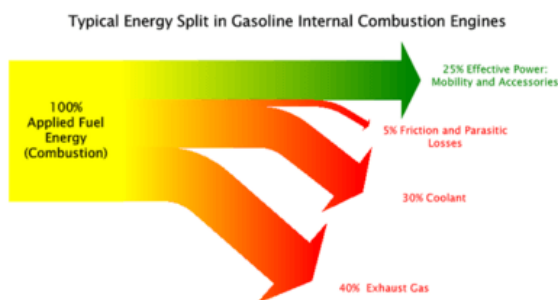


Which fraction best describes, of the part of the gasoline that is put into a car, that actually makes the car move.

- ☐ a) $\frac{4}{10}$
- ☐ c) $\frac{2}{4}$

- ☐ b) $\frac{1}{4}$
- ☐ d) $\frac{3}{5}$

8.

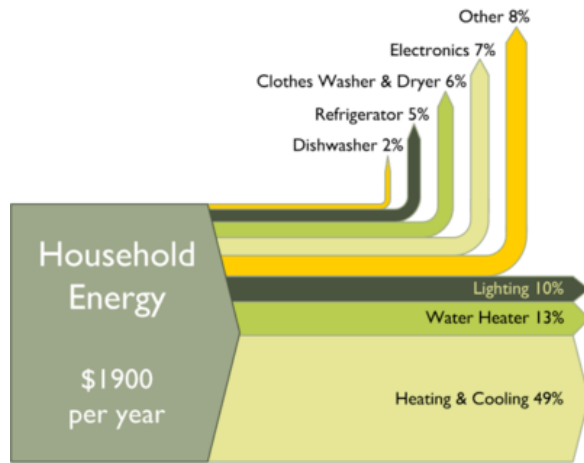


Think back to the first question. Which is more efficient, a car or an incandescent light bulb? Why?

- ☐ a) A car because it helps you move.
- ☐ c) The light bulb because light is important to see at night.

- ☐ b) A car because a higher percent of energy goes where you want it to.
- ☐ d) The light bulb because a high percent of the energy goes where you want it.

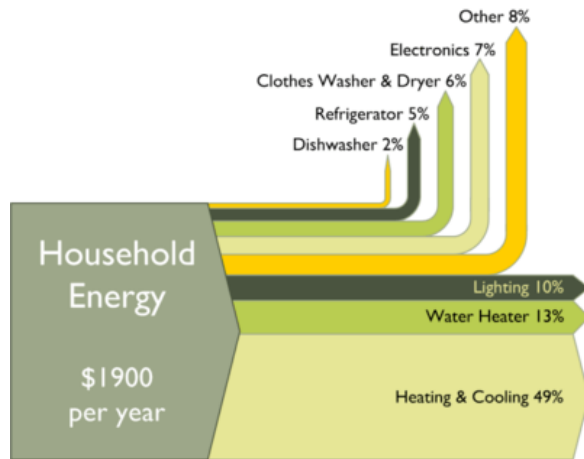
9.



If a typical house uses 10 pieces of energy, how many pieces go to heating and cooling?

- ☐ a) About 4
- ☐ b) About 5
- ☐ c) Most of the energy
- ☐ d) About a quarter of the energy

10.



If this household wanted to use less energy, where should they first focus their efforts.

- ☐ a) Water heater
- ☐ b) Better lighting
- ☐ c) Unplugging electronics
- ☐ d) More efficient air conditioning

Answer Key

1. c
2. b
3. c

4. b
5. b
6. b

7. b
8. b
9. b

10. d