

When you drive, only about 10 percent of the chemical energy in gasoline is used to operate the vehicle. The vast majority of energy is lost as heat, a lower-quality form of energy. Which of the following describes this situation, in which energy flows from high-quality forms to lower-quality forms?

- A Principle of relativity.
- B First law of thermodynamics.
- C Second law of thermodynamics.
- D Ecological niche concept.

According to the second law of thermodynamics, the amount of energy in the universe is spontaneously flowing from forms of higher to lower energy content.

Answer **C**.