

COMBUSTION

L7: Fuel Your Body

Guiding Question: How is the energy stored in food used by your body?

- **Do Now:**

- Where does energy in food come from?

NOTES

The human body harnesses energy from chemical bonds in food to use for different processes that make the body work.

- Not all of that energy from food makes it into a process in your body.
- Some of it is lost as heat.

NOTES

Is losing heat beneficial for your body?

- Yes! Think back to biology. Your body needs to be warm to work right. The heat lost from food is actually used by your body to keep you warm.

NOTES

Cars also use energy stored in chemical bonds to make the engine run.

- In a controlled explosion, bonds are broken and the resulting energy is used to power the engine.
- Not all of the energy goes to powering the car. Most of it is lost as heat to the surroundings.

HOMEWORK

Homework 3 Due Friday