

Question of
the Day:

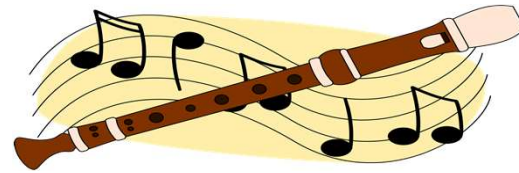
Caleb is holding a metal block in his hand. What could he do to decrease the thermal energy of the block?

- A. Cool it
- B. Drop it
- C. Hit it
- D. Melt it

Different Types of Energy

- Sound Energy –

- Form of energy that is carried through waves in vibrating matter
- Kinetic energy – because particles in matter are moving
- Sounds you hear



- Thermal Energy –

- Another type of energy that involves moving particles
- Kinetic energy
- More thermal energy an object has, the greater the temperature.
- Helps you stay warm, cook food, hot water



Different Types of Energy



- Light Energy –
 - Form of energy that can travel through space
 - Travels in waves
 - Some objects give off light, while others reflect light
 - See with your eyes

- Electrical Energy –
 - Energy caused by movement of electric charges
 - Can change to other types of energy
 - $E \rightarrow T$ - in toaster or stove
 - $E \rightarrow S$ - cellphones and speakers
 - $E \rightarrow L$ - lamps and spotlights

Can you give
an example?

- Sound Energy
- Thermal Energy
- Light Energy
- Electrical Energy