

Sound

- Sound is a form of energy.
- It comes from a vibrating source.
- Sound travels in invisible waves.
- Sound can travel through solids, liquids, and gases.



Click on clock for sound

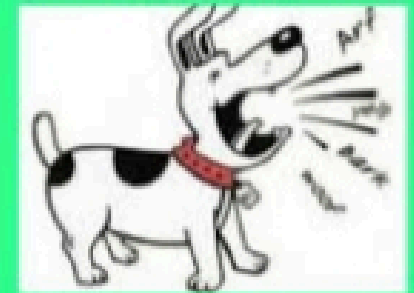


Sound Energy Examples

Some common examples of sound energy are-

- Sound produced by a guitar string
- The sound from drums being hit
- A dog barking
- Your stereo blasting
- Aircraft
- A sports car roaring down the street

CONTINUE



All of these cause vibrations and transfer energy that you can hear.

HEAT

- Heat is a form of energy that is transferred from a region of higher temperature to one of lower temperature.

HEAT AS A FORM OF ENERGY



- The Sun is the primary source of heat energy.
- Most of the Sun's heat is radiated back into space and only a small amount of it reaches the Earth to keep it warm.



What Are the Sources of Heat Energy?

- The Sun.
- The Earth.
- Air.
- Burning Fuels.
- Electricity.
- Waste Heat Recovery.
- Waste Water.

Examples of Heat Energy

- The biggest example of heat energy in our solar system is the sun itself. ...
- When the burner of a stovetop is very hot, it is a source of heat energy. ...
- Automobile fuels such as gasoline are sources of heat energy, as is the hot engine of a racecar or a school bus.

Magnetic Energy

Magnetic energy is the attraction of objects made of iron. Medical equipment, compass, refrigerator magnets are all examples of magnetic energy. Any type of energy source that uses a generator in the process to make electricity uses magnetic energy.



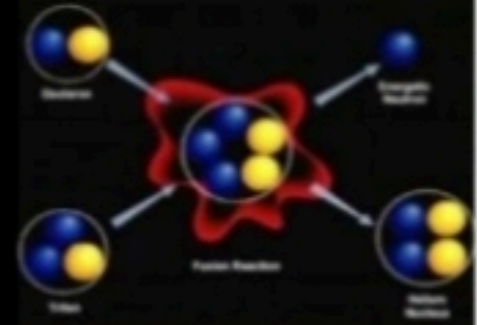
Forms of
Energy

Example of magnetic energy

1. **magnetic compass**
2. **electric motors**
3. **generators and invertors**
4. **fans**
5. **speakers**
6. **computers**
7. **production of electricity from large magnets etc**

Nuclear Energy

The energy stored in the nucleus of an atom.



Uses of Nuclear Energy

- Food and Agriculture
- Human Health
- Sterilization
- Generating Electricity

Advantages of Nuclear Energy

- Produces Large Amount of Energy
- 'Green' Energy
- No Air Pollution
- Fuel Independence

Home Work

1. _____ energy is produced when you strike a drum.
2. From where heat energy is produced?
3. What is magnetic energy?
4. Write the use of Nuclear energy.