

CHAPTER: 11 WORK AND ENERGY

Experiential Content: (Group Activity)

TRANSFORMATION OF ENERGY:

- Students are asked to form groups and prepare a simple working model to show energy transformation.
- The students are asked to find out the energy transformation that takes place in different appliances.
- Example- Torch light (electrical energy transformed to light energy)

Suggested Questions:

1. Name a device which converts electrical energy into sound energy.
2. Name a device which converts light energy into heat energy.
3. What is the commercial unit of measurement of electrical energy?

Curiosity Questions:

If energy is neither created nor destroyed then, where do we get energy from?

Answer Guide:

Think About:

- ❖ What kind of energy transformation takes place at a hydroelectric power station?
- ❖ How does the total energy of a swinging pendulum at any instant of time remain conserved?