

2034 NANUKU SANGAM SCHOOL
BASIC SCIENCE
WORKSHEET 1

NAME: _____

YEAR 8

STRAND: Energy

SUB-STRAND: Energy Source and Transfer

CLO: Investigate the transfer of some forms of energy and describe the effect of energy transfer on certain materials.

LESSON NOTES

FORMS OF ENERGY

Energy can be found in different forms. Some forms of energy are as follows:

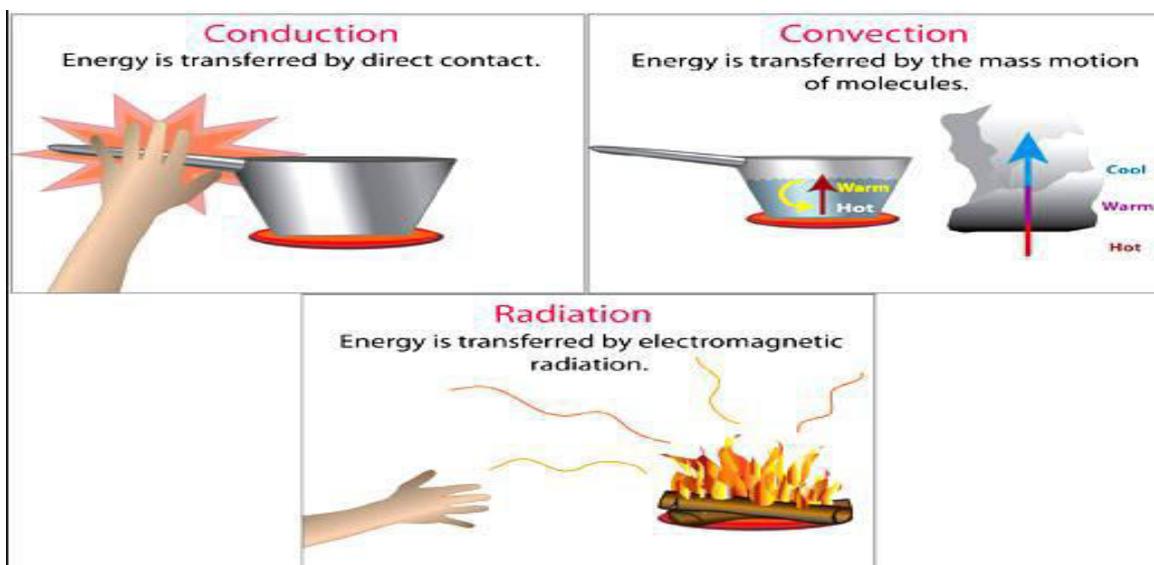
- i. Heat
- ii. Electrical
- iii. Sound
- iv. Solar

I. Heat Energy

Heat is a form of energy that is transferred from a region of higher temperature to one of lower temperature. A cold object placed in a warm place will absorb heat from its surroundings, causing its temperature to rise. On the other hand, a warm object will lose heat to its surroundings causing its temperature to fall.

There are three different ways of heat transfer:

- i. Conduction
- ii. Convection
- iii. Radiation



Questions

1. List some forms of energy.

2. Define the following using the diagram given below.

a).Conduction – _____

b). Convection – _____

c).Radiation – _____

3. What are the three ways of heat transfer?
