WORKSHEET NO – 4

NAME :
CLASS : VI
CHAPTER: WORK AND ENERGY

GRADE:
SUB: PHYSICS
DATE:

a. Fill in the blanks:

a. Capacity of doing work is called _____.
b. The unit of work is _____.
c. Work done is _____ when displacement is not taking place.
d. The energy possessed by a stretched rubber band is called _____.
e. A weight lifter uses _____ to move heavy weights up.
f. A kite flying in the air has _____ energy.
g. The energy of sun reaches us through a series of conversions called _____.

b. Match the words in column A with that in column B.

	ColoumnA		ColoumnB
a.	Electricity is a	i.	Kinetic energy
b.	More energy is required	ii.	Converted into another form
c.	Energy possessed due to motion	iii.	Ability to do work
d.	Energy is	iv.	Mechanical energy
e.	One form of energy can be	v.	Form of energy
f.	Unit of work	vi.	Fundamental source of energy
g.	Potential energy is a form of	vii.	To do more work
h.	Solar energy	viii	Joule

c. In a cracker which kind of energy is

a. Stored:
b. Required for ignition:

c. Given out during explosion:

4. Give at least two examples of the following types of energy:
   a. Mechanical energy;
   b. The energy Chemical energy:
   c. Sound energy;
   d. Light energy:
   e. Heat energy:

5. Find the amount of work done, if a force of 13 newton is applied on a body and the body moves through a distance of 27m.

6. The work done in moving a body through a distance of 5m is 100 joules. What is the value of force applied?

7. A force of 10 newton applied on a body moves it through a certain distance. The work done in this situation is 150 joules. What is the displacement of the body?