

Assignment:-6 Subject: Science Class:-IV Teacher:-Mrs. Neena Gupta

Name:-\_\_\_\_\_ Class & Sec.:-\_\_\_\_\_ Roll No.:-\_\_\_\_\_ Date:-

**Lesson :-13 Force work and energy**

**Q.1) Answer the following questions:**

**(a) Force can move an object. Explain.**

**Ans.:-** Pulls and pushes are forces. All our movements are the result of some kind of force,

**(b) How is gravitational force useful for us?**

**Ans.:-** Gravitational force is applied by the earth that pulls all the objects down. We are *able to walk on the earth's surface because of this gravitational pull.*

**(c) Define work. Do all the forces result into work?**

**Ans.:-** *Work is done when an object changes its position or state.* No all the forces do not result into work, example:- Apply force on a wall, the wall does not move.

**(d) Sun is the ultimate source of energy on Earth. Justify.**

**Ans.:-** All forms of energy come from sun directly or indirectly. Plants absorb the energy from sun to make food for all living beings.

**(e) Define energy. What are the different forms of energy?**

**Ans.:-** Energy is the ability to do work. Different forms of energy are - electrical energy, heat energy, solar energy etc.