Name :_____ Al Baheya Common School Date:

Grade : 4_____ Lesson 1 – Types of Energy (Review)

Choose the correct answer:

1. *Stored energy* that is released when the links between the particles that make up matter are *broken*.

a. Chemical Energy b. Electrical Energy c. Nuclear Energy

2. Energy that comes from the *movement of charged particles.*

a. Chemical Energy b. Electrical Energy c. Nuclear Energy

3. *Potential energy* that is released when links between particles, which are tiny parts that make up a material, *are broken or created.*

a. Chemical Energy b. Electrical Energy c. Nuclear Energy

4. A type of energy produced by *vibrations of material.*

a. Electrical Energy b. Sound Energy c. Light Energy

5. This energy is *visible* and *travel through space*.

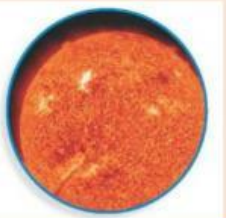
a. Electrical Energy b. Sound Energy c. Light Energy

6. The *internal energy* of an object due to the energy of *motion of its particles.*

a. Electrical Energy b. Sound Energy c. Light Energy

Identify the type of energy:








LIVEWORKSHEETS

Classify the following as potential (stored) energy (or) kinetic (energy of motion energy. (Page 14)

Chemical Energy	Nuclear Energy	Electrical Energy
Sound Energy	Thermal Energy	Light Energy

Potential (Stored) Energy	Kinetic (Energy of motion) Energy

Read the picture and description below and complete the blanks. (Page 15)



1. Window with Sunlight: The radiation from the Sun is converted to _____ and _____ in the classroom.
2. Teacher talking: The teacher transforms _____ energy from food into _____ energy and _____ energy.
3. Computer: The computer transforms _____ energy into _____, _____ and _____ energy.
4. Students building a model: The students transform _____ energy from food into _____ energy when they use their hands to build a model.

LIVEWORKSHEETS

Is energy transferred or transformed? Identify the types of energy. (Page 17)

	Energy transfer or transformation	Types of energy
Wind-up toy 		
Pom-pom launcher 		
 Dropped ball		
 Marbles		

Choose the correct answer: (Page 23)

1. Which best describes how energy changes in a toaster?



a. Chemical to thermal
b. electrical to light
c. electrical to thermal
d. electrical to chemical

2. Dan made the following observations in his science notebook:
The radio sitting on the table made the water in my glass move.
What can he conclude?




a. Some types of energy cannot transfer through water.
b. The sound energy of the radio transferred to the water.
c. The electrical energy of the radio transferred through the water.
d. Only light can move through the water.

3.

Energy transformation	Example
Motion to sound	A. Burning candle heats up. B. Plucked guitar string makes noise. C. Ball rolls downhill. D. Rubbing warms hands.

LIVEWORKSHEETS