

"INTRODUCTION TO ENERGY" WORKSHEET

Name _____

Date _____ Block _____

Part 1. The two basic types of energy

Directions: Determine the best match between basic types of energy and the description provided. Put the correct letter in the blank.

- | | |
|--|--------------------------|
| ____ 1. A skier at the top of the mountain | (a) Kinetic Energy |
| ____ 2. Gasoline in a storage tank | (b) Potential Energy |
| ____ 3. A race-car traveling at its maximum speed | (c) Both forms of Energy |
| ____ 4. Water flowing from a waterfall before it hits the pond below | |
| ____ 5. A spring in a pinball machine before it is released | |
| ____ 6. Burning a match | |
| ____ 7. A running refrigerator motor | |

Part 2. Definitions of Energy.

Directions: Write down the definition for each of the following terms after reading the article.

ENERGY:

KINETIC ENERGY:

POTENTIAL ENERGY:

Part 3. Forms of Energy.

Directions: Determine the type of energy for each form (Kinetic, Potential, or Both) and give an example.

Form	Definition	Type (KE, PE, or Both)	Example (for each type if both)
Mechanical (motion) energy	An object's movement creates energy		
Thermal (heat) energy	The vibration and movement of molecules		
Radiant energy	Electromagnetic waves		
Electrical energy	Movement of electrons		
Chemical energy	Stored in bonds of atoms and molecules		
Nuclear energy	Stored in the nucleus of an atom; released when nucleus splits or combines		
Sound energy	Vibration of waves through material		
Gravitational energy	Energy of position or height		

Answer Key To Introduction To Energy

Pam Walker, Elaine Wood



Answer Key To Introduction To Energy:

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