



N. R. G.



Materials: Mystery Cube

What To Do:

1. Look at all the pictures on your Mystery Cube.
2. What does each picture show?

3. What do these pictures have in common?

Each of these pictures shows some type of energy. What is energy? It's simple - energy is the ability to do work. Even though you can't really see it, energy causes millions of different actions and reactions to occur every single day. In fact, whenever something moves, heats, cools, grows, changes or produces light - energy is involved. There are a number of different types of energy. Did you know that you can easily memorize the different types of energy by remembering the letters that make up the words MRS. CHEN?

Mechanical
Radiant
Sound

Chemical
Heat
Electrical
Nuclear

Let's find out what each of these types of energy really mean.

Materials: pictures of energy types, scissors, glue

What To Do:

1. In the chart on the next pages all of the types of energy are defined.
2. Match them with the pictures your teacher gives you.
3. Cut out the pictures and arrange them in the Picture Column.
4. Some of the pictures can be classified in more than one category. Find the place that fits for all the pictures then glue them down.
5. In the "What else can it be?" column list other types of energy shown in the pictures.
6. Go back to the Mystery Cube and identify all the different types of energy shown.

Energy Match

Type of Energy	Picture	What else can it be?
Mechanical Energy Anything that has motion or can move		
Radiant Energy Anything that is giving off light or electromagnetic radiation (sun, magnet)		
Sound Energy Anything that makes noise		



Type of Energy	Picture	What else can it be?
Chemical Energy Anything with stored energy that is released by a chemical reaction		
Heat Energy Also called Thermal Energy - anything that gives off heat		
Electrical Energy Anything that involves electricity		
Nuclear Energy Anything that involves an atomic reaction		

Questions:

- 1. What is energy? _____
- 2. What is an easy way to remember the first letters of the types of energy? _____

Do Not Glue until teacher says

Write the name of the energy on the flap and draw an example under it.

M	
R	
S	
C	
H	
E	
N	

Name _____ period ____

EXIT TICKET

NRG

Unscramble the types of energy below. Use the numbered boxes to fill in the words below the puzzle.

CAHCIENAML
1RITNADA
7NOSDU
3MCHICELA
4EATH
5LRCATLEICIE
2LURENCA
6
1 2 3
4 5 6 7**Conclusion:** (heat, work, radiant, mechanical)

Energy is the ability to do _____. The type of energy that comes from the sun is known as _____ energy.

The type of energy that involves motion is known as _____ energy. The type of energy that can also be called thermal is _____ energy.

Name _____ period ____

EXIT TICKET

NRG

Unscramble the types of energy below. Use the numbered boxes to fill in the words below the puzzle.

CAHCIENAML
1RITNADA
7NOSDU
3MCHICELA
4EATH
5LRCATLEICIE
2LURENCA
6
1 2 3
4 5 6 7**Conclusion:** (heat, work, radiant, mechanical)

Energy is the ability to do _____. The type of energy that comes from the sun is known as _____ energy. The type of energy that involves motion is known as _____ energy. The type of energy that can also be called thermal is _____ energy.