 COLEGIO NUESTRA SEÑORA DEL ROSARIO-BOGOTÁ "Caminando en calidad hacia la excelencia"		DIAGNOSTIC
SUBJECT: SCIENCE		
STUDENT'S NAME:	COURSE: 4	DATE:
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TYPES OF ENERGY

1. Read the descriptions and choose the correct image.
 - a- Thermal energy is produced when the temperature of an object increases. This energy is used to iron, cook and warm houses.
 - b- Solar energy comes from the Sun in the form of light or heat. Plants use this energy to make their own food.
 - c- Sound energy is produced when an object vibrates, like a musical instrument.
 - d- It is produced when an object move.
 - e- Potencial energy is produced when objects have energy stored inside of them to be used later.
 - f- Electrical energy is used to make computers, TV sets and video games work.



PREDICT

- 2- What happens when you rub a ballon in your shirt and later you wave the balloon over the person's hair?

- a- The hair stands on end because the negative charges of the balloon attract the positive charges of the person's hair (Static electricity)
- b- The hair stays still because the balloon and the hair have a positive charges (potential energy)
- c- The hair stand up because negative charges attract positive charges (chemical energy)



3- OBSERVE

When you make a paper telephone. Why can you hear through the glass?



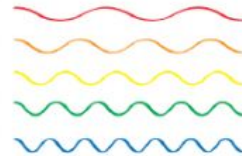
- a- Because the sound moves in waves through materials
- b- Because sound travels fastest through solids
- c- Because sound travels fastest through the wool

4- MATCH

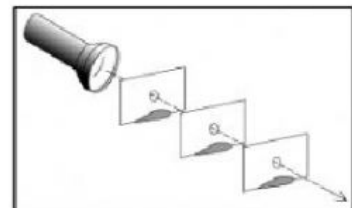
Light travels in a straight line



Light travels in waves



Light from the Sun is White light
That can be separated
into the colors of the rainbow



5- why is the shadow formed?



- a- Because the light can form silhouettes
- b- Because the light does not pass through opaque objects
- c- Because the light passes through opaque objects