

NATURAL SCIENCE - FORCES AND ENERGY

NAME: _____ DATE: _____

1. Look at the pictures and write the correct type of force.

- unbalanced - push - balanced - pull -	
 a) _____	 b) _____
 c) _____	 d) _____

2. Look at the pictures and match with the correct form of energy.

FORM OF ENERGY	EXAMPLES
<u>THERMAL ENERGY</u>	
<u>SOUND ENERGY</u>	
<u>LIGHT ENERGY</u>	
<u>MECHANICAL/KINETIC ENERGY</u>	
<u>CHEMICAL ENERGY</u>	
<u>ELECTRICAL ENERGY</u>	

3. Complete with examples of sources of energy.

Coal - Moving water - Wind - Gas - Petrol - The Sun's rays

RENEWABLE ENERGY SOURCES	NON-RENEWABLE ENERGY SOURCES
- _____	- _____
- _____	- _____
- _____	- _____

4. Complete the text about heat using the following words:

low - temperature - lower - heat - thermal equilibrium - thermometer - high

_____ is the transfer of energy from one body to a colder one, that is, a body with a _____ temperature. When the transfer continues until both bodies reach the same temperature, they are in _____. All bodies have a _____. This property is measured with a _____. When we say that something is hot or cold, what we really mean is that its temperature is _____ or _____.

5. Write TRUE or FALSE.

- a. Light is the form of energy that allows us to hear things. _____
- b. Light travels in a straight line. _____
- c. Light doesn't travel in all directions. _____
- d. Light is faster than anything else on Earth. _____
- e. Light always moves at the same speed. _____

6. Classify the following sources of light.

the Sun, a TV, a fire, a lamp, traffic lights, the stars

NATURAL SOURCES OF LIGHT	ARTIFICIAL SOURCES OF LIGHT

7. Look at the picture and write.

OPAQUE
TRANSLUCENT
TRANSPARENT

