

## 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.

