

# NATURAL SCIENCE - UNIT 4 REVISION WORKSHEET

## "Energy"

### TYPE OF ENERGY

1) Label the pictures with the different forms of energy. To do it, write the names in the gaps.

radiant – light – electrical – nuclear – thermal – chemical – mechanical - sound



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



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\_\_\_\_\_

## ENERGY TRANSFORMATION

2) Choose the correct word to complete the sentences about energy transformation. To do it, write the words.

thermal - nuclear – electrical – solar – kinetic - chemical

a) When you use a hairdryer, it converts                            energy into                            and                    energy.

thermal - nuclear – electrical – solar – kinetic - chemical

b) When you are running,                            energy is transformed into                            energy.

sound - nuclear – potential – solar – light - chemical

c) When you use your mobile phone,                            energy stored in the batteries is transformed into                    or                    energy.

electrical - nuclear – potential – thermal – light - chemical

d) A sandwich toaster transforms                            energy into                            energy

3) Explain the energy transformation, write the energy in and out. Choose the correct option.

1.  **CAR**

(electrical - nuclear – kinetic -- chemical)

1. \_\_\_\_\_ 2. \_\_\_\_\_

2.  **TELEVISION**

(electrical - nuclear – light – sound)

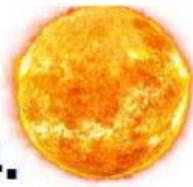
1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_



**3. TOASTER**

(electrical - nuclear – thermal – sound)

1. \_\_\_\_\_ 2. \_\_\_\_\_



**4. SUN**

(electrical - radiant – light – thermal)

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_



**5. ELECTRIC GUITAR**

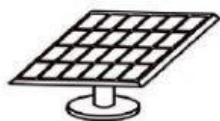
(electrical - kinetic – radiant – sound)

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

## SOURCES OF ENERGY EXERCISES

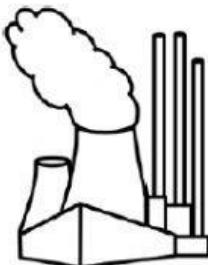
4) Label the pictures. Write renewable and non-renewable and the source as in the example:

**hydroelectric – petroleum – wind – biomass – nuclear – coal**



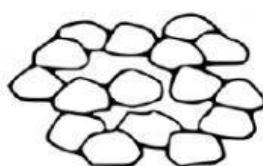
**Solar energy**

**Renewable**



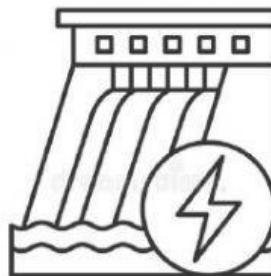
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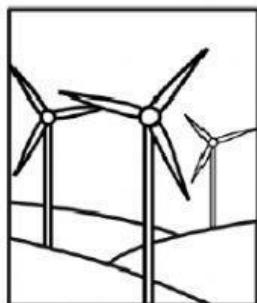
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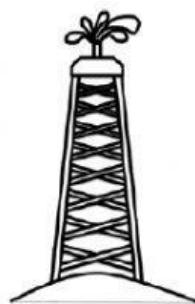
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**5) Complete the sentences, to do it, drag them to the correct place.**

**unlimited –cause pollution – clean or green sources - don't run out  
– don't create greenhouse gases**

Renewable sources of energy \_\_\_\_\_ . They are  
\_\_\_\_\_ .

These sources are also called \_\_\_\_\_ because they  
\_\_\_\_\_ or \_\_\_\_\_

**limited – greenhouse gases –  
cause pollution – non clean - run out**

Non-renewable sources of energy \_\_\_\_\_ . They are  
\_\_\_\_\_ .

These sources are also called \_\_\_\_\_ because they  
\_\_\_\_\_ and create \_\_\_\_\_