

## LIGHT ENERGY

**1.- SOURCES OF LIGHT.** Identify if the picture shows a natural or artificial light .



**STARS**



**TORCH**



**CAR LIGHTS**



**LAVA**



**LIGHTHOUSE**

**2.- LIGHT AND MATTER.** Complete the definitions of light phenomena.

BLOCK      OPAQUE      LIGHT      TRANSPARENT      COMPLETELY      TRASLUCENT

- a) Some glass is ..... ; it doesn't ..... light.
- b) Some objects are .....; they block light .....
- c) Some objects or materials are ..... ; some ..... passes through them.

**3.- ODD ONE OUT.** Click the odd one out.

- a) WHITE LIGHT      MEDIUM      PRISM      RAINBOW COLOURS
- b) GLASS      CLEAR PLASTIC      WOOD      WATER
- c) STONE      TISSUE      TRACING PAPER      CURTAINS
- d) STRAIGHT LINE      WAVES      VERY FAST      300.000 KM/S



**4.- LAWS OF LIGHT.** Write REFLECTION, REFRACTION or WHITE LIGHT next to each example.

- a) The mirror enables the driver to see things behind the car. ....
- b) A microscope uses a mirror to reflect light to the specimen under it. ....
- c) The human eye has a lens called cristaline. ....
- d) A telescope uses a large parabolic mirror to gather dim light from distant stars. ....
- e) The contact glasses you need to see correctly. ....
- f) Light travelling through the lens of a photographic camera. ....
- g) Making a disc of Newton and playing with it. ....
- h) The rainbow appearing in the sky. ....