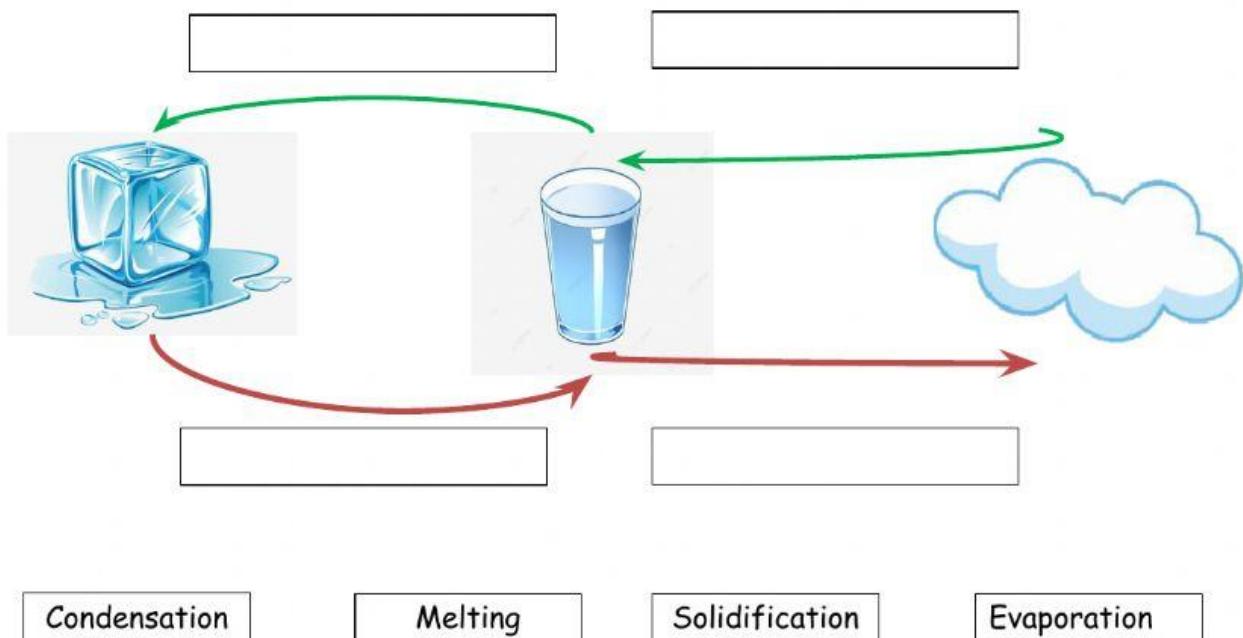
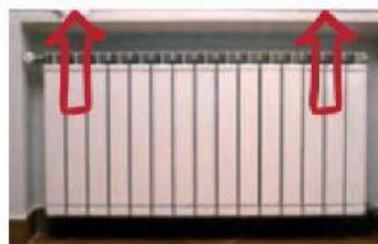


# NATURAL SCIENCE. LIGHT AND HEAT.

1. Link:



2. Write **conduction**, **convection** or **radiation** where it is needed:



3. Complete the definitions. Use the following words:

|                 |             |                |            |            |
|-----------------|-------------|----------------|------------|------------|
| molecules       | heat        | conduction     | convection | insulators |
| electromagnetic | temperature | thermal energy | conductors |            |

- a. \_\_\_\_\_ is the transfer of thermal energy.
- b. In conduction, the \_\_\_\_\_ in the hotter object are moving faster, and have more thermal energy.
- c. \_\_\_\_\_ is a form of energy that is transferred by heat.
- d. When two objects are in contact, they are heated by \_\_\_\_\_.
- e. \_\_\_\_\_ is the amount of thermal energy in an object.
- f. Heat can be transferred through empty space by \_\_\_\_\_ waves.
- g. \_\_\_\_\_ don't transfer thermal energy.
- h. \_\_\_\_\_ transfer thermal energy.
- i. Heat travels through a gas or through a liquid by \_\_\_\_\_.

4. Read and put a cross in the correct box:

| State                             | Melting | Evaporation | Expansion | Chemical changes |
|-----------------------------------|---------|-------------|-----------|------------------|
| Liquid changes to gas             |         |             |           |                  |
| Solid changes to liquid           |         |             |           |                  |
| Cooking food                      |         |             |           |                  |
| Gases that receive thermal energy |         |             |           |                  |