

Natural science Energy

1. Renewable and non-renewable energies.

- a) They are artificial resources.
- b) They produce waste.
- c) They never run out or finish.
- d) Examples are solar, wave, wind.
- e) They don't produce waste.
- f) They are friendly with the environment.
- g) They can run out or finish one day.
- h) They come from natural resources.
- i) They are unfriendly with the environment.
- j) Examples are petrol, gas, electricity.

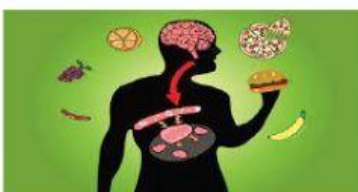
RENEWABLE ENERGIES



NON-RENEWABLE ENERGIES



2. Types of energy: kinetic, sound, electrical, thermal, chemical, light



3. Light and sound

only light	only sound	sound and light

it travels in all directions it can go through solid opaque objects it is the fastest energy
 it is made up of 7 different colours it can go through all materials it is reflected as echo
 it goes in straight lines it travels in waves it is produced by vibrations it can be reflected
 it is blocked through opaque materials

3b) complete these sentences with the words in the box.

wood and plastic conductors heat metal insulators movement













Thermal energy is the energy of _____. Kinetic energy is the energy of _____.

Heat _____ do not transmit heat well like _____.

Heat _____ transmit heat very well like _____.

4. Write down the changes of energy.

light, chemical, kinetic, thermal, wind, electrical, sound

 Batteries <input type="text"/>		 Flashlight <input type="text"/>
 Fuel <input type="text"/>		 Car <input type="text"/>
 Sunlight <input type="text"/>		 Plant <input type="text"/>
 Plug <input type="text"/>		 Toaster <input type="text"/>



Stove

changes
into



Cooking



Plug

changes
into



Washing
machine



Wind
turbine

changes
into



Energy
storage



Hand
moving

changes
into



Play
the violin