

## RENEWABLE ENERGY

Watch the video and answer the questions below.

1.- Match each picture to its corresponding concept.



- i. \_\_\_\_\_ fossil fuels
- ii. \_\_\_\_\_ nuclear energy
- iii. \_\_\_\_\_ solar energy
- iv. \_\_\_\_\_ wind energy

- v. \_\_\_\_\_ geothermal energy
- vi. \_\_\_\_\_ biomass energy
- vii. \_\_\_\_\_ hydroelectric energy

2.- Match each concept to its corresponding definition.

- |                         |                       |   |
|-------------------------|-----------------------|---|
| 1) Fossil fuels         | <input type="radio"/> | <i>It comes from the heat of the sun. You can use panels to trap the energy and it can be saved for cloudy days.</i>  |
| 2) Solar energy         | <input type="radio"/> | <i>It takes energy from flowing water such as rivers, streams and ocean currents.</i>   |
| 3) Biomass energy       | <input type="radio"/> | <i>It comes from the heat inside the earth. It is food for places with volcanic activity.</i>   |
| 4) Hydroelectric energy | <input type="radio"/> | <i>It is produced from a plant or human waste. Wood is the most common source, but now methane gas or vegetable oils are being used to create energy.</i>                         |
| 5) Wind energy          | <input type="radio"/> | <i>It is produced by splitting atoms. There is a risk of accidents and this form of energy produces dangerous waste that is difficult to dispose of.</i>                          |
| 6) Nuclear energy       | <input type="radio"/> | <i>It produces energy by moving blades or a turbine or mill.</i>  |
| 7) Geothermal energy    | <input type="radio"/> | <i>They are extracted from the earth such as coal, oil and natural gas. When they are burned to make energy, they produce carbon dioxide which contributes to global warming.</i> |

3.- Identify the following statements as true or false.

- |                               |                                |  |
|-------------------------------|--------------------------------|--|
| <input type="checkbox"/> TRUE | <input type="checkbox"/> FALSE | Almost 8% of energy consumed by humans derived from fossil fuels.        |
| <input type="checkbox"/> TRUE | <input type="checkbox"/> FALSE | 10% of energy derives from renewable energy.                             |
| <input type="checkbox"/> TRUE | <input type="checkbox"/> FALSE | Renewable energy generates no gas emissions at all.                      |
| <input type="checkbox"/> TRUE | <input type="checkbox"/> FALSE | Renewable energy can decrease pollution.                                 |
| <input type="checkbox"/> TRUE | <input type="checkbox"/> FALSE | Renewable energy sources will never run out.                             |
| <input type="checkbox"/> TRUE | <input type="checkbox"/> FALSE | Solar and wind energy generates power intermittently.                    |
| <input type="checkbox"/> TRUE | <input type="checkbox"/> FALSE | Renewable energy is free and costs nothing to generates power.           |
| <input type="checkbox"/> TRUE | <input type="checkbox"/> FALSE | Renewable energy can be produced at large scale as much as fossil fuels. |