

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.

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| 1) Fossil fuels | ☐ | <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 | ☐ | <i>It takes energy from flowing water such as rivers, streams and ocean currents.</i> |
| 3) Biomass energy | ☐ | <i>It comes from the heat inside the earth. It is food for places with volcanic activity.</i> |
| 4) Hydroelectric energy | ☐ | <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 | ☐ | <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 | ☐ | <i>It produces energy by moving blades or a turbine or mill.</i> |
| 7) Geothermal energy | ☐ | <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.

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