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Kids Discover: ENERGY

Learning Targets:

- I can identify different forms of energy
- I can identify HOW energy is transferred from one object to another
- I can identify WHERE all the energy on earth comes from
- I can describe ways in which I can conserve energy

- 1) How much energy does the earth receive in a 2-week period?
- 2) Who discovered that objects move due to their potential energy? \_\_\_\_\_  
How many years have gone by since this scientist past away? \_\_\_\_\_
- 3) What was one of the earliest forms of energy that was harnessed by humans? \_\_\_\_\_
- 4) Where do these fossil fuels come from?
- 5) Name the 3 examples of fossil fuels: \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_
- 6) What are some useful things that windmills can do for us? (name 2)
- 7) Name ONE source of energy that does not depend on the sun: \_\_\_\_\_ WHERE does it get its energy? \_\_\_\_\_.
- 8) Some people use plants as fuel. What is this called? \_\_\_\_\_. What is a disadvantage of this process? \_\_\_\_\_.
- 9) What are the disadvantages of these types of energy sources:  
Solar power:  
  
Nuclear power:  
  
Fossil Fuels:

10) Where was the most disastrous nuclear disaster? \_\_\_\_\_ what year? \_\_\_\_\_

11) What is the Law of Conservation of Mass and Energy? Mass & Energy cannot be \_\_\_\_\_ or \_\_\_\_\_.

12) Who concluded this law?

13) How does the Sun's energy get into our bodies?

14) How can radio waves and microwaves be useful for us?

**Microwaves:**

**Radio waves:**

15) How does the carbon dioxide get into a leaf? Through its \_\_\_\_\_.

16) What does it mean to CONSERVE ENERGY?

17) What are some means of transportation that will not run on gasoline power? Name 3:

18) What is the name of the first sun powered car?