

ENERGY Readers Theatre Script

Developed by Dr. Rosalind M. Flynn with Mrs. Ferguson's Class
Monocacy Elementary School Frederick, MD

- 1 Boy, am I tired!
- 11-25 Me too! (All Yawn and stretch...etc.)
- 2-10 You all need some energy!
- 11-25 Energy! Right! What's energy?
- 2 Energy is what gives living things or machines their power (sound effect) or force (sound effect).
- 3 Just have something good to eat (sound effect)
- 4 and drink (sound effect)
- 5 and you will get some energy (sound effect)!
- 11 So food is our fuel?
- 2-10 Right!
- 12 Well what about our machines? How do they get their energy?
- 6 I know one way--FOSSIL FUELS!
- All Fossil fuels?
- 6 Right! We burn coal, oil, and natural gas.
- All Fossil fuels--We burn coal, oil, and natural gas (sound effect).
- 15 Cool. What more do we need?
- 2 Lots more!
- 15 Why?
- 2 Well, fossil fuels are nonrenewable.
- All Nonrenewable?
- 2 That means that once they are used up, they will be gone forever. (sound effect)
So we need alternative energy sources that are...
- ALL Renewable!
- 3 Right! Energy that can be used over and over.
- 4 It never runs out!
- 13 Okay, so what's a renewable energy source?
- 7 I'll give you a hint. The biggest, brightest, and warmest source of the earth's energy is.....
- All THE SUN! (sound effect)
- 8 The sun! (sound effect) Gives us light and heat! (sound effect)
- 9 The sun! (sound effect) Warms our water causing rain (sound effect).....
- 10 ...that falls back to earth and feeds rivers, lakes, and oceans.
- 14 The sun! (sound effect) Heats the surface of the earth and stirs up wind (sound effect).
- All The sun! (sound effect) Source of light, heat, rain, and wind.
- 16 Renewable energy--Water power! Hydropower! Water wheels!
- 17 Renewable energy--Wind power! Windmills!
- 18 Renewable energy--Solar power! Heat and light!

All Water, wind, and sun for heat! They all renew! They all repeat!
 19 So I guess we're all set then!
 20 Well, not quite. We still need to talk about SYNTHETIC fuels.
 All Synthetic?
 20 Synthetic means that we make the fuels from other things.
 1 Like what?
 11 Coal, oil shale, and tar sands can be made into fuels for our machines and buildings.
 2 So when you think synthetic, think...
 All Coal, shale, and sand from tar may be changed to fuel your car!
 Coal, shale, and sand from tar may be changed to fuel your car!
 3 But what about GEOTHERMAL energy?
 All: GEO-what?
 3 GEO meaning "of the earth"
 4 and THERMAL meaning "heat."
 All GEOTHERMAL -- Heat of the earth! (sound effect)
 3 It's another energy source we get from the hot, molten rock deep inside the earth.
 5 This natural heat is trapped within the earth.
 6 If we drill down deep, we can use it to produce electricity.
 7 Hey everyone! Did you know that recycled garbage can also be used as an energy source?
 All Recycled garbage?
 7 Right! Recycled garbage and organic materials are called BIOMASS.
 All BIOMASS (sound effect) contains stored energy from the sun.
 8 We can burn biomass and produce energy.
 9 And get rid of garbage!
 10 So the future for alternative energy sources looks bright!
 All Right!
 11 But we still have to conserve the energy we have today....
 12 ...and keep searching for and developing energy sources that are
 1-5 Clean
 1-10 Renewable
 1-18 Inexpensive
 1-25 and Dependable!