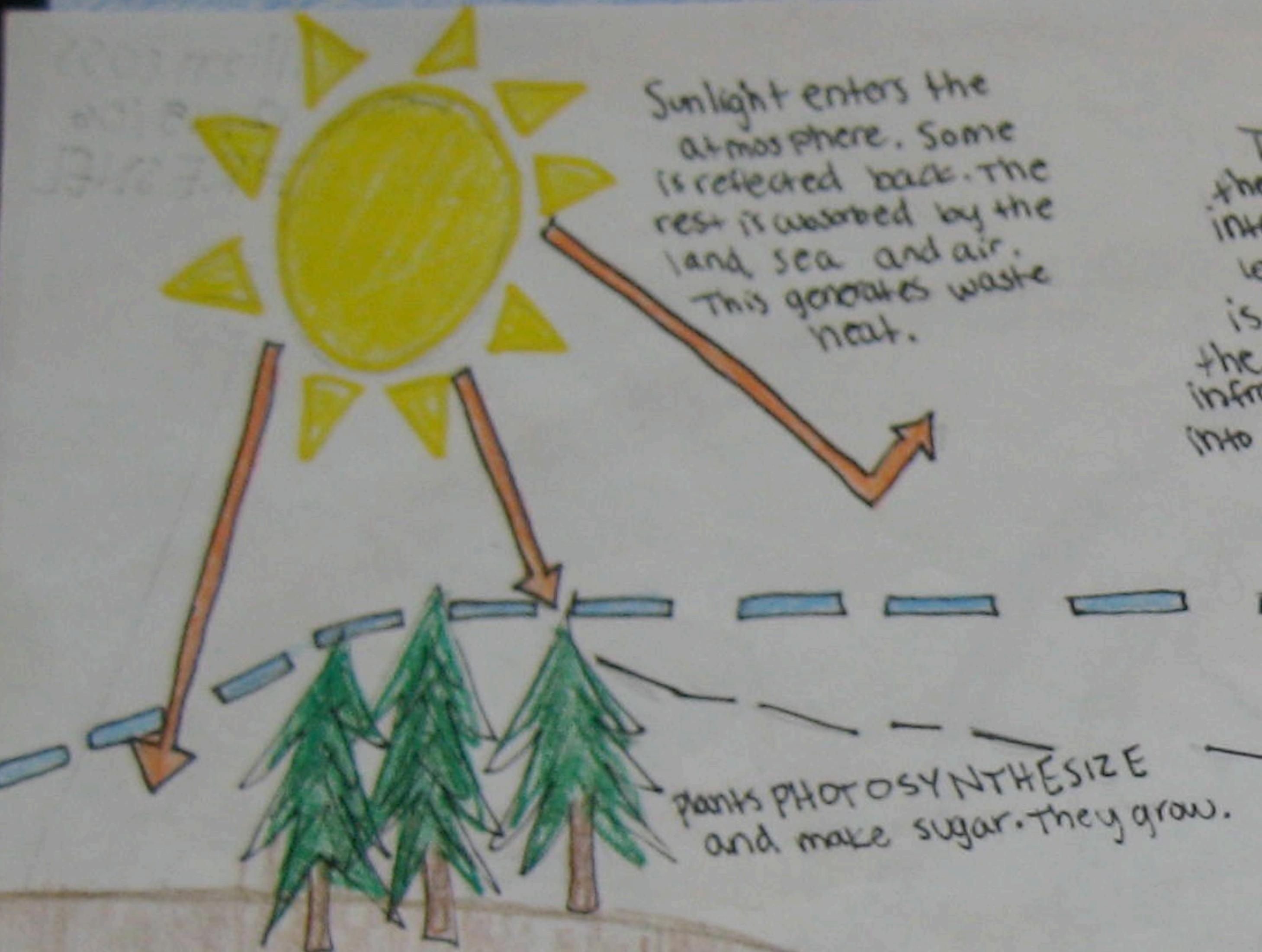


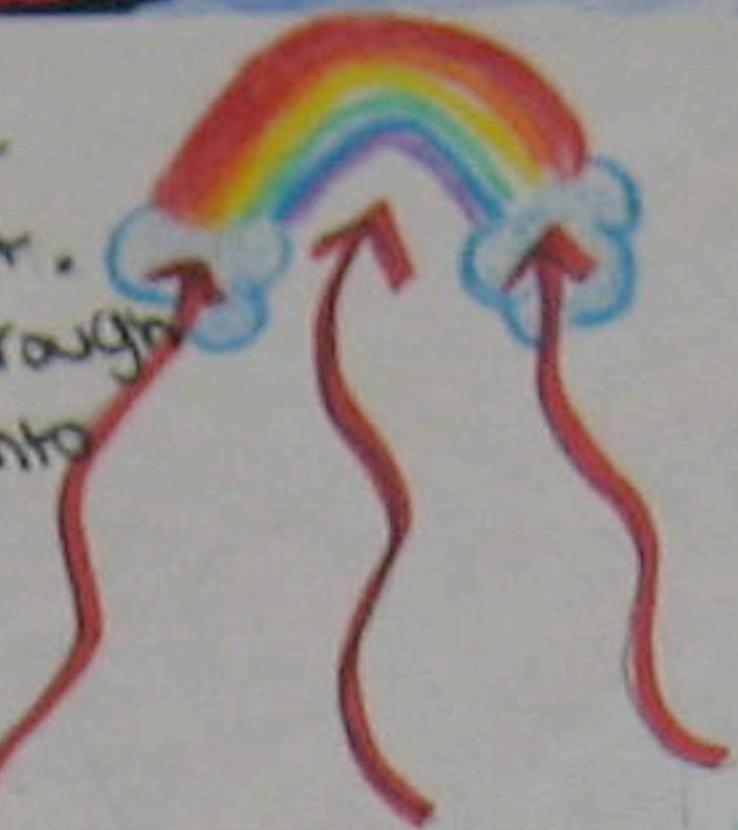
ENERGY CYCLE

ANGIE NOTARI
GROUNDLINGS
Dec. 8, 2008

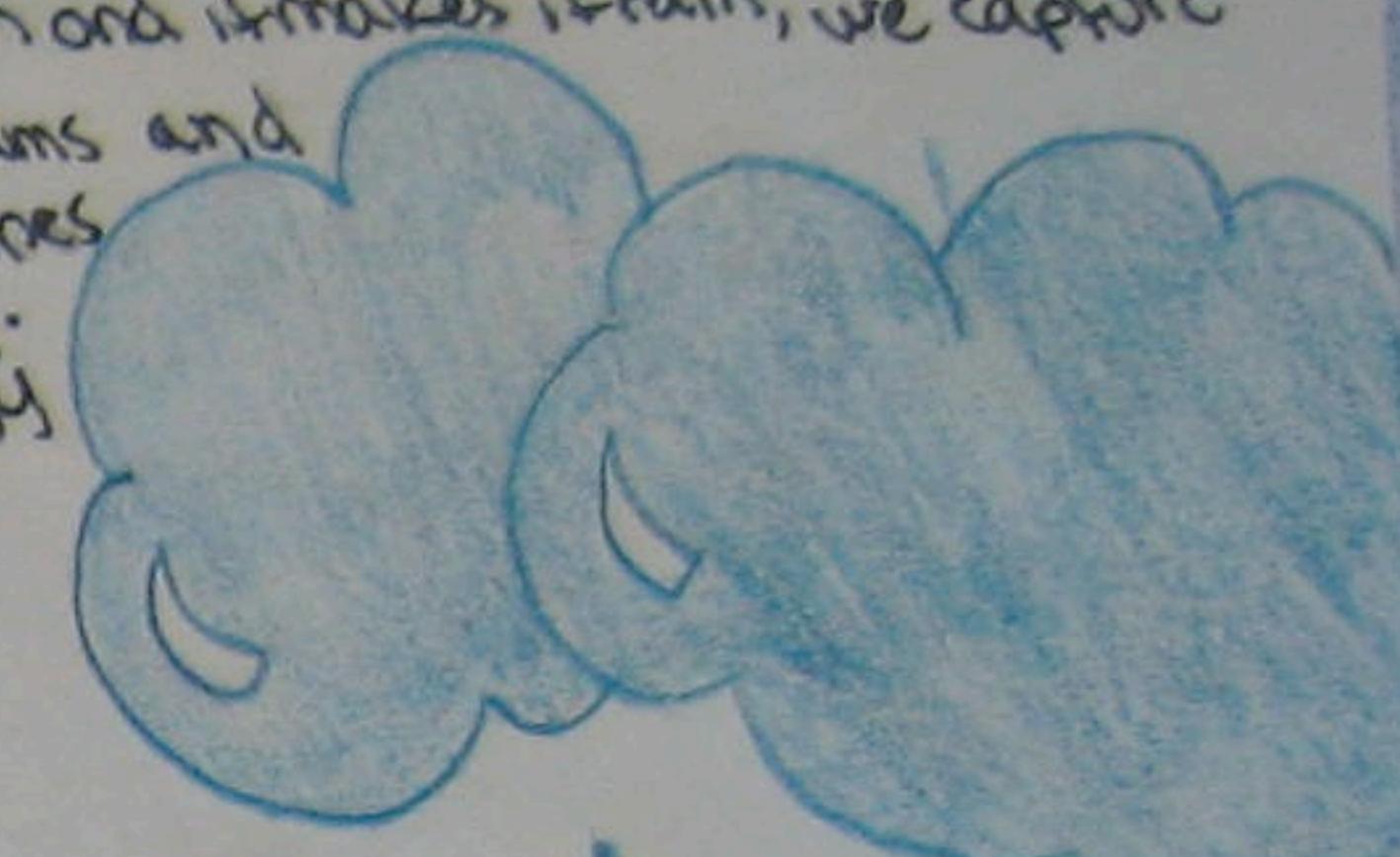
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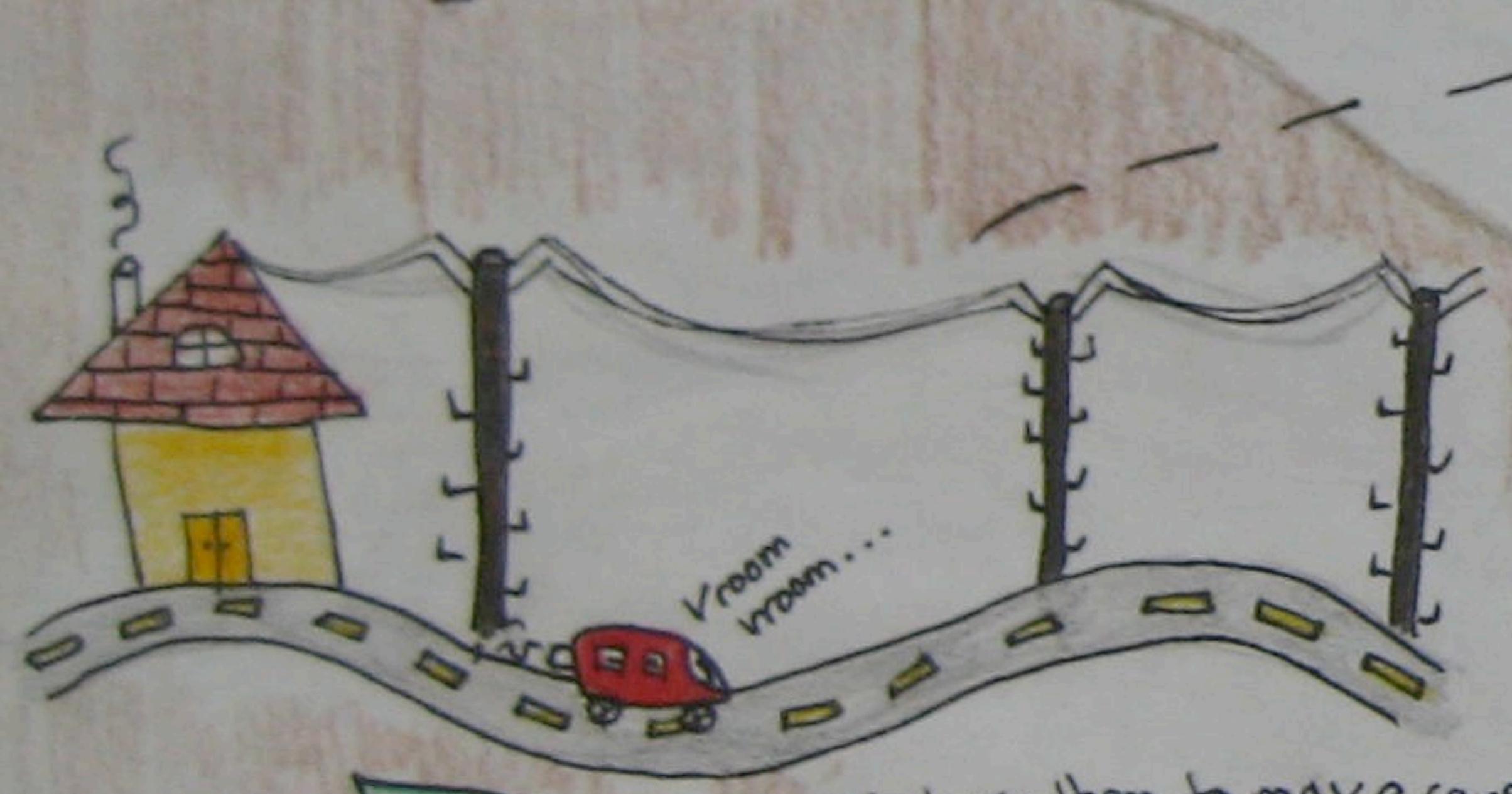
All that waste heat generates infra-red light. The infra-red light escapes through the atmosphere and goes out into interplanetary space. For every 100 watts of sunlight that is absorbed by the earth in the first step, 100 watts in infra-red light are emitted into space.



Sunlight evaporates water off the surface of the ocean and it makes it rain, we capture rainwater behind dams and let it fall over turbines to generate electricity. As always, the energy is transformed into Waste Heat.



WASTE HEAT



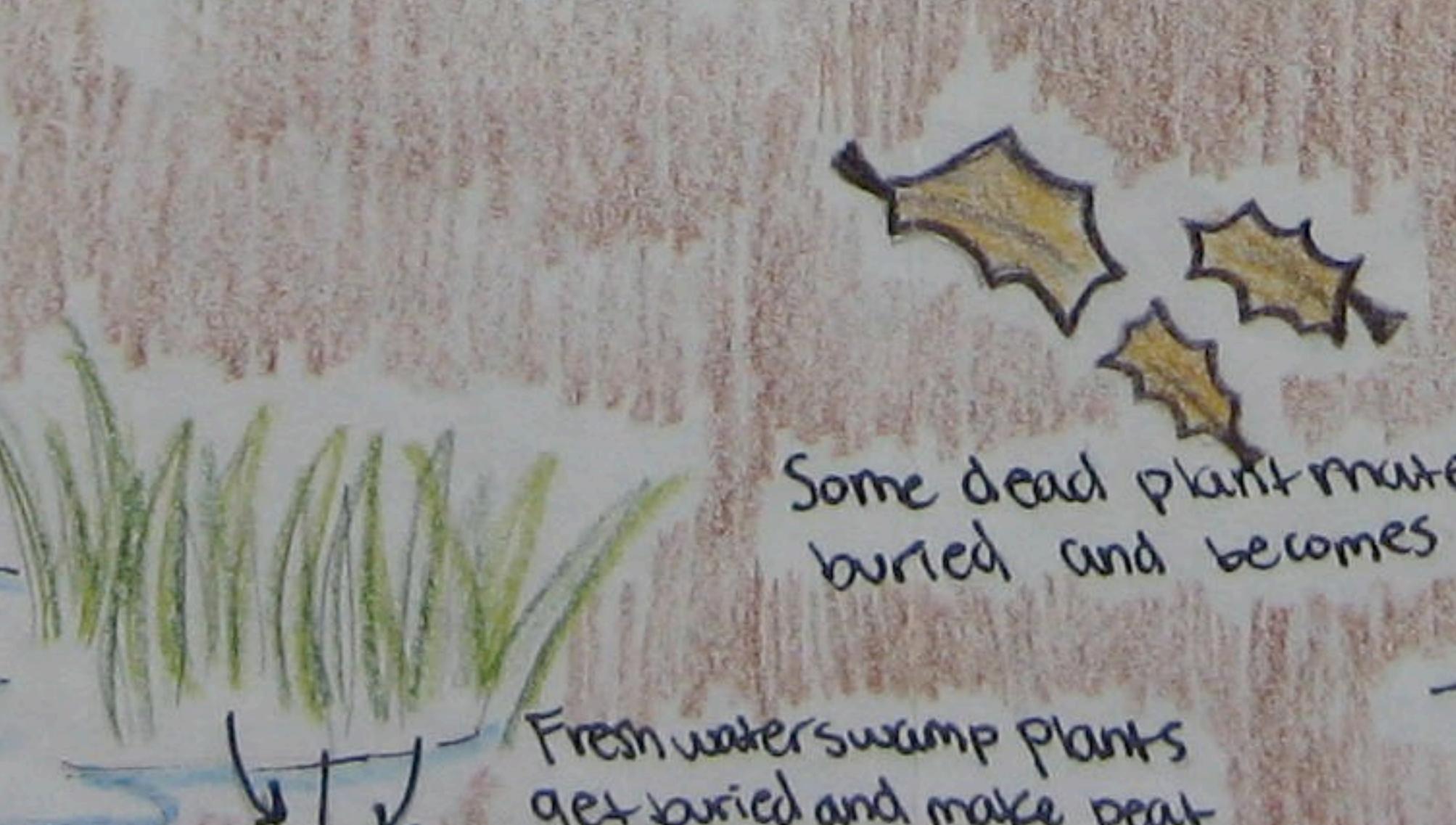
We burn them to make cars go, generate electricity, heat homes, etc. All the energy ends up as waste heat.



We dig up peat and coal and pump out the oil and natural gas.

Plankton in the sea die and float to the bottom of the ocean. They get buried in the ocean sediments and become oil and natural gas.

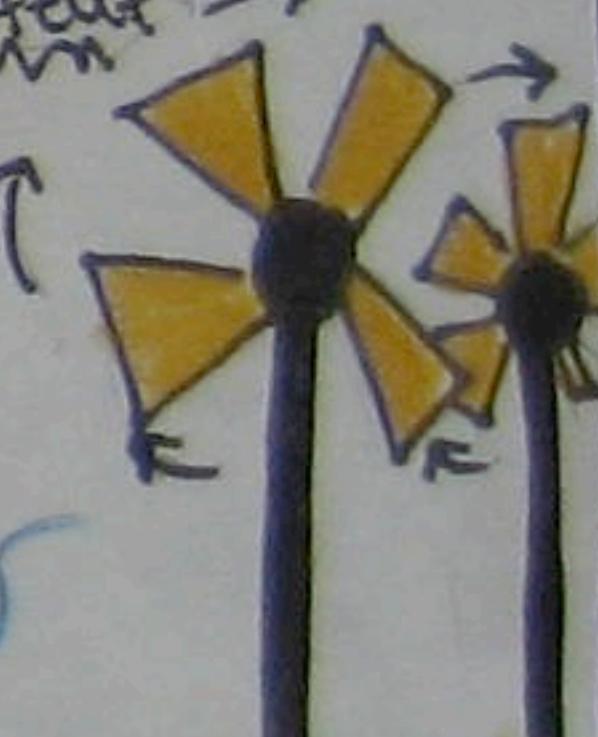
animals eat plants and each other. They metabolize the sugar and more grow, reproduce, etc. All the energy ends up as waste heat in the environment.



Some dead plant material is buried and becomes fossil fuels.

Freshwater swamp plants get buried and make peat.

Sunlight warms the atmosphere in places and makes the wind blow. We use the wind in windmills to generate electricity and make sailing ships move. The energy ends up as waste heat.



Bacteria and Fungi decompose dead organic material that still has some sugar in it. This energy also becomes waste heat.

The Energy Non-Cycle: