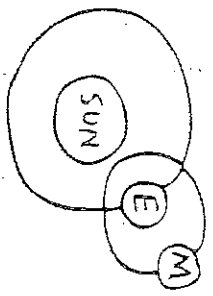


REVOLUTION

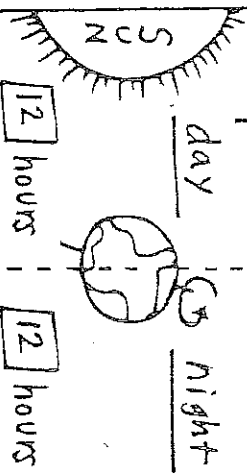
goes around



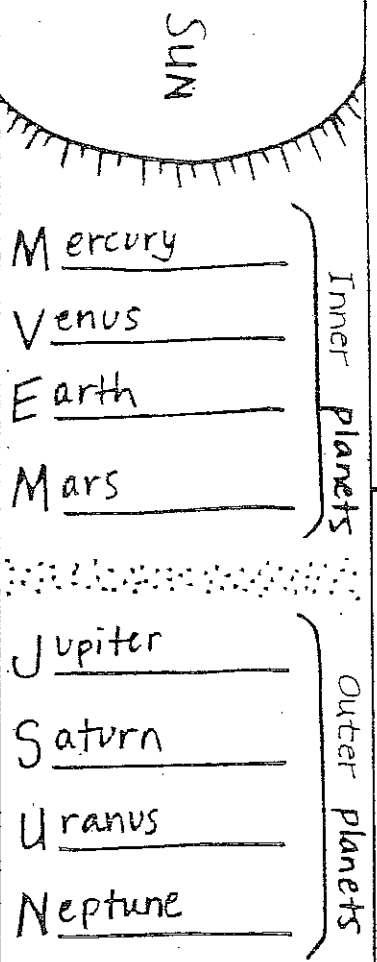
Moon around Earth = 29 days
 Earth around Sun = 365 days

ROTATION

spins on axis



Day and Night cycle = 24 hours
 12 hours day, 12 hours night



Sedimentary rock: rock made of sediments
 processes: weathering, erosion, deposition, compaction, cementation

fossils: remains of organisms turned to stone
 time to form: millions of years

FOSSIL FUELS: NON RENEWABLE

<p>COAL - solid - formed: from Swampland heat + pressure</p>	<p>OIL - liquid - formed: dead Sea animals heat + pressure</p>	<p>NATURAL GAS - gas - formed: dead Sea animals extreme heat</p>
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SUN ☀

sphere of gas
 medium sized star
 No real surface
 source of heat and light

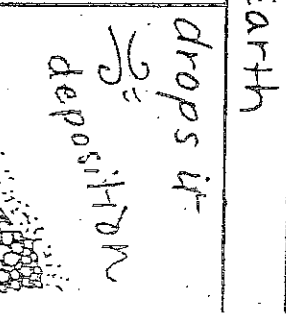
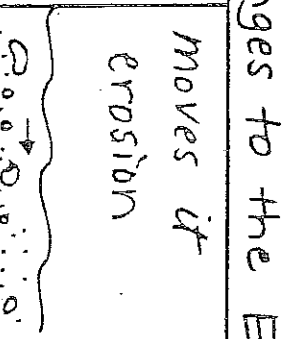
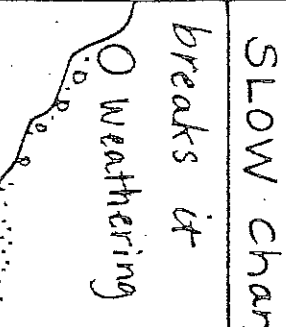
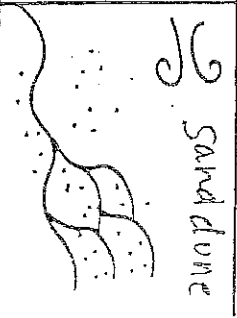
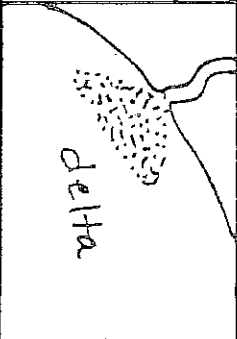
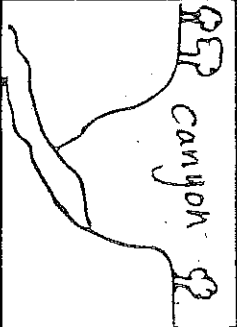
EARTH 🌍

sphere of rock
 3rd planet from the Sun
 ONLY planet to support life
 has water and atmosphere

MOON 🌙

sphere of rock
 No atmosphere
 No life
 29 days to revolve around the earth
 natural satellite

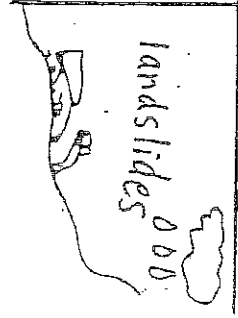
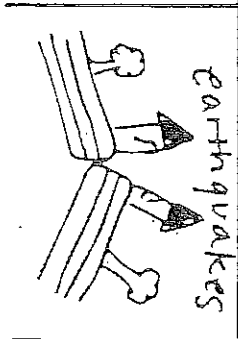
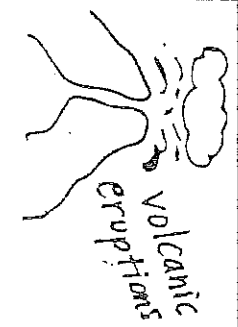
LANDFORMS

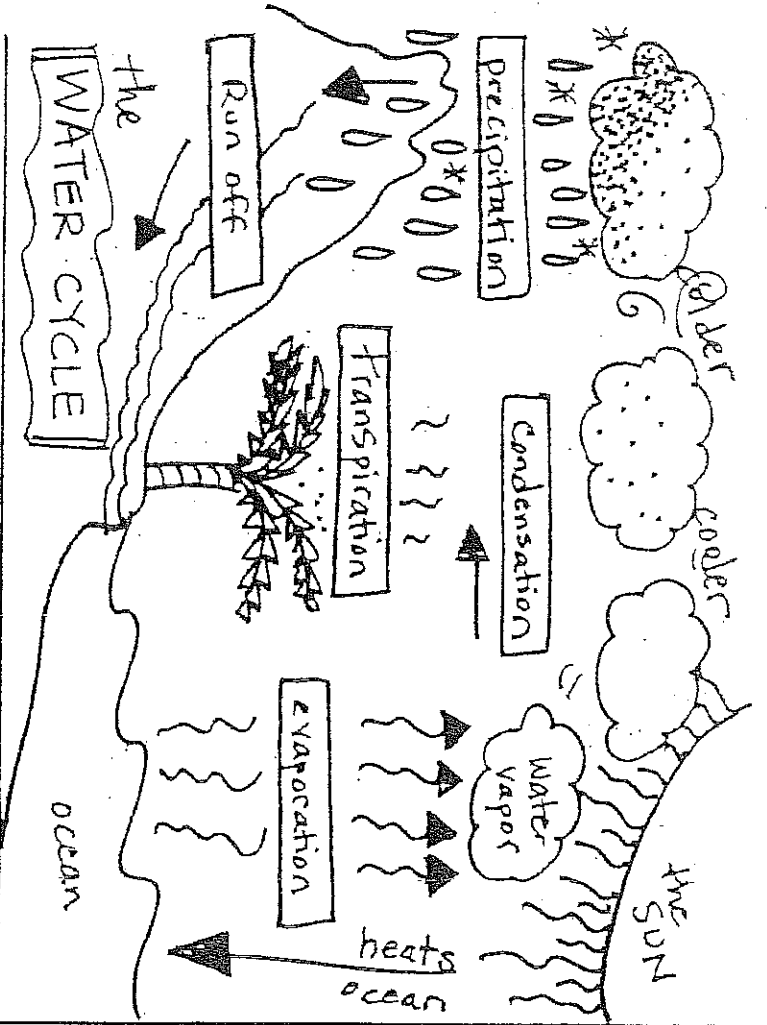


SLOW changes to the Earth

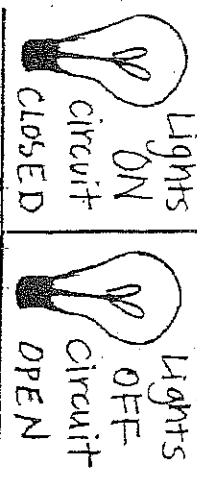
breaks it
 moves it
 drops it

FAST changes to the Earth



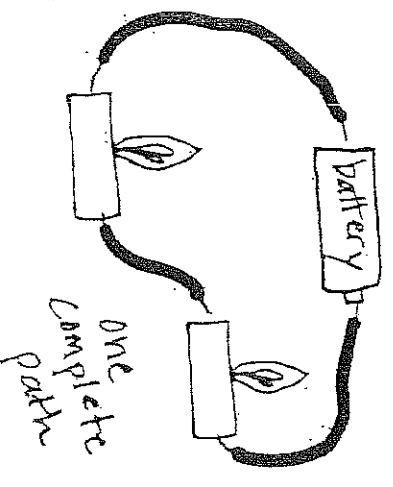


Circuit: the path an electric current flows



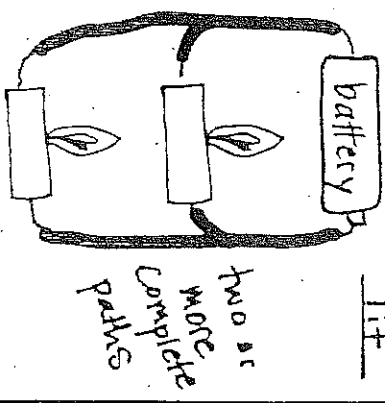
conductor allows flow
example: metal wire
insulator stops flow
example: plastic in wire

SERIES: all go out



one complete path

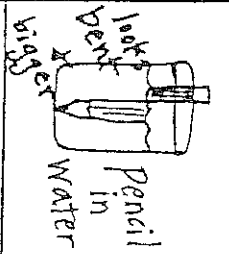
PARALLEL: some stay lit



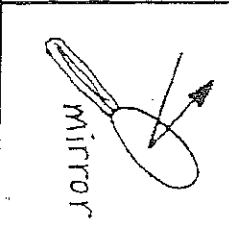
two or more complete paths

Light travels in straight lines until reflection or refraction

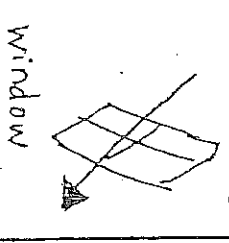
Refraction
light: bends



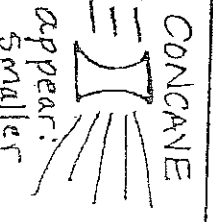
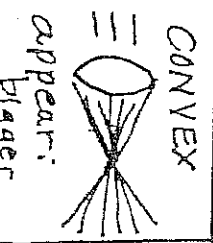
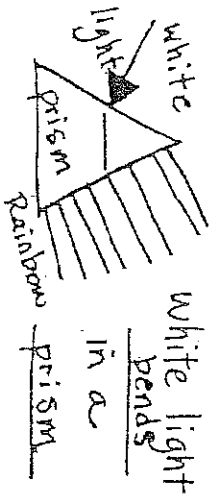
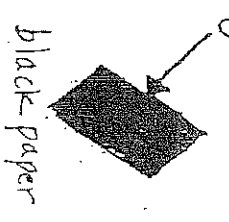
Reflection
light: bounces off



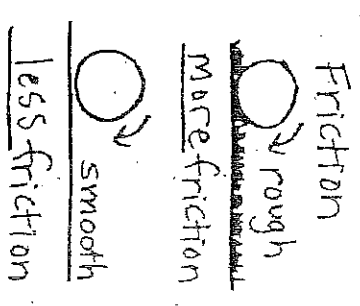
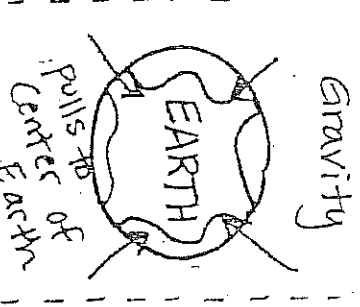
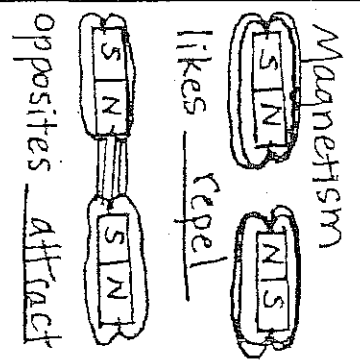
Transmit
light: goes through



Absorb
light: (stops) goes into



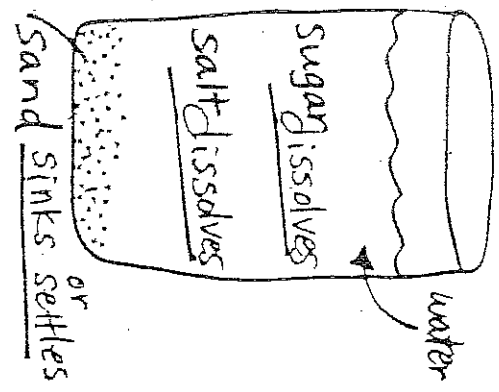
FORCE: a push or pull



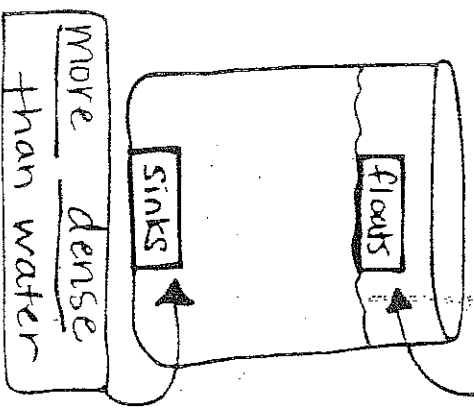
WEATHER: condition of the AIR outdoors
DAILY

CLIMATE: average or typical weather condition.
-AT LEAST A SEASON-

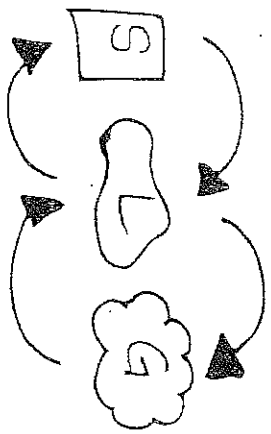
SOLUBILITY



Relative Density
Less dense than water



Melting
Evaporation



Freezing
Condensation

States of MATTER

forms of energy

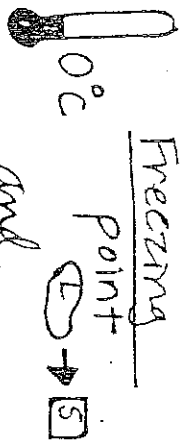
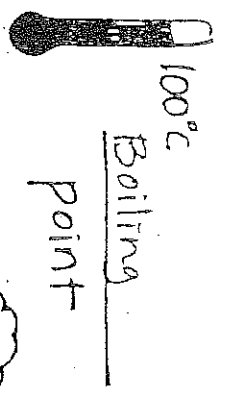
Mechanical (moving parts)

Electrical (electrons)

Light (Visible) (see)

Thermal (heat transfer)

Sound (air vibrates)



and melting point

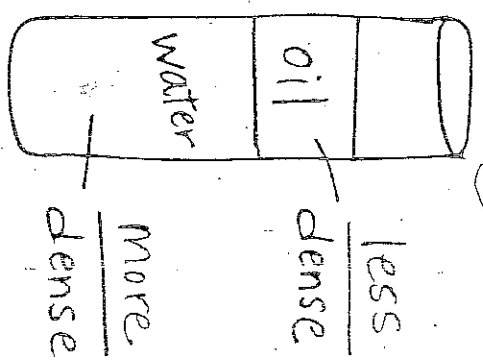
MIXTURES:

- ★ can easily separate
- ★ keeps physical properties

SOLUTIONS:

- ★ to separate evaporate
- ★ changes physical properties

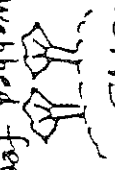
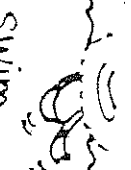

Density










Renewable .OR. Alternative energy

- Solar
- hydro power
- biomass
- geothermal
- WIND

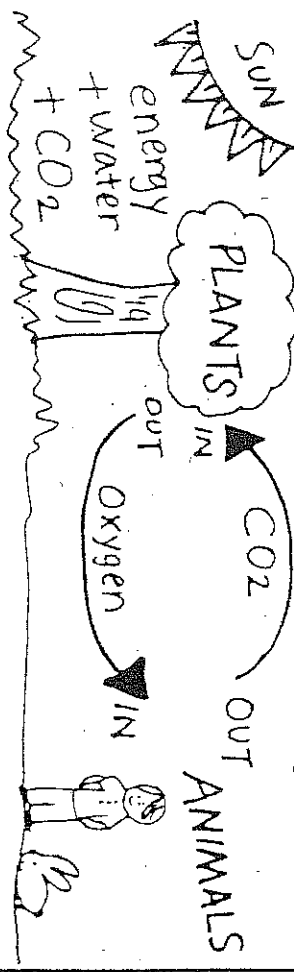
ADAPTATIONS

<p>Structure: the body part</p> <p>Function: what it does</p> <p>Inherited Traits: hair color</p> <p>Learned Behaviors: learn to do</p>   	<p>COMPLETE Metamorphosis</p> <ol style="list-style-type: none"> egg larva pupa adult <p>INCOMPLETE Metamorphosis</p> <ol style="list-style-type: none"> egg nymph adult
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ENVIRONMENTAL changes

<p>Natural:</p> <ul style="list-style-type: none"> hurricane drought tornado sandstorm flood earthquake  	<p>man-made:</p> <ul style="list-style-type: none"> build roads build homes pollution oil spill move species     
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CARBON DIOXIDE and OXYGEN cycle



ECOSYSTEM: a community of living and nonliving things

INTERDEPENDENCY: when organisms depend on each other

All energy comes from the SUN

LIVING things: plants, animals, fungi, bacteria


FOOD CHAINS: the flow of energy

NONLIVING things: air, sunlight, water, soil, rocks


FOOD WEBS: lots of food chains

ELEMENTS of an ECOSYSTEM


producer uses sun's energy to make its own food




herbivore eats plants




Consumer eats other living things



Carnivore eats only meats



decomposer breaks down dead organisms



Omnivore eats both plants and meats

