

Rhythm, Rhyme, & Remember

Chants and Movements for Science

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Classifying Matter

Mass **Steel**
Always **Iron**
Stays the **Nickel**
Same **Cobalt**

Less **D**ensity floats
More **D**ensity sinks

LD 
MD 

Solubility
Does it dissolve?

Conductor – **GO**
Insulator – **STOP**

Will it burn you?
Thermal
Will it shock you?
Electrical

Metal is a
GOOD
conductor!

Solid
Liquid
Gas

Mixtures & Solutions

Mixtures & Solutions, now I won't lie – can get a little tricky if you don't try.

MIXTURES can be separated with your hands

Like spaghetti, fruit salad, and rocks & sand.

Is with **EVAPORATION!**

The **ONLY** way to separate

SOLUTIONS are so different like the ocean combination

Uses of Energy, Circuits, & Fossils

Uses of Energy

| | |
|-------------------|----------------------------|
| Mechanical | Movement |
| Electrical | Flows |
| Light | Travels in a straight line |
| Thermal | HEAT |
| Sound | Vibrations |

Fossils
Fossils - Evidence

Circuits

| |
|-----------------------------------|
| Pathway |
| Wire, conductor |
| Energy source |
| Battery, wall outlet, solar panel |
| Receiver |
| Light bulb, buzzer, fan |

If it's **OPEN** – it's **BROKEN!** ☹️
If it's **CLOSED** – it **GOES & FLOWS!** 😊

Weather & Climate, Light, & Forces

Forces

Gravity – Pull
Friction – Push that works against motion
Magnetism – Opposite Poles attract [PULL]
Like poles repel [PUSH]

Weather – happens every day [clap hands]

Climate – happens over time [point to watch-nationwide tune]

Light

Travels in a straight line until...

Transmit – Goes through
Absorb – Stops

Reflection BOUNCE
Light bounces like a basketball

Refraction BENDS
If it makes a rainbow or has a lens – it BENDS!

Water Cycle, Earth's Rotation, & Interdependency

Water Cycle

Evaporation
Condensation
Precipitation
Runoff & Collection
Transportation

Interdependency

Biotic – Living

Abiotic – Nonliving

Earth's Rotation

Earth

Rotates on its axis every 24 hours causing Day & Night and the sun going across the sky

Rotation

Has an "A" cause it turns in a DAY

Changes to Land, Sedimentary Rocks & Fossil Fuels

**Sedimentary
Rocks & Fossil
Fuels**

Changes to Land

Weathering – Break
Erosion – Move
Deposition – Drop
Caused by...
Water, Wind, Ice

Compaction – squeeze
Cementation - glue

FF CON
Fossil Fuels
Coal
Oil
Natural Gas

Heat and Pressure
and a long, long time
Heat and Pressure
turned the dead
plants into coal!

ThinkUp!

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