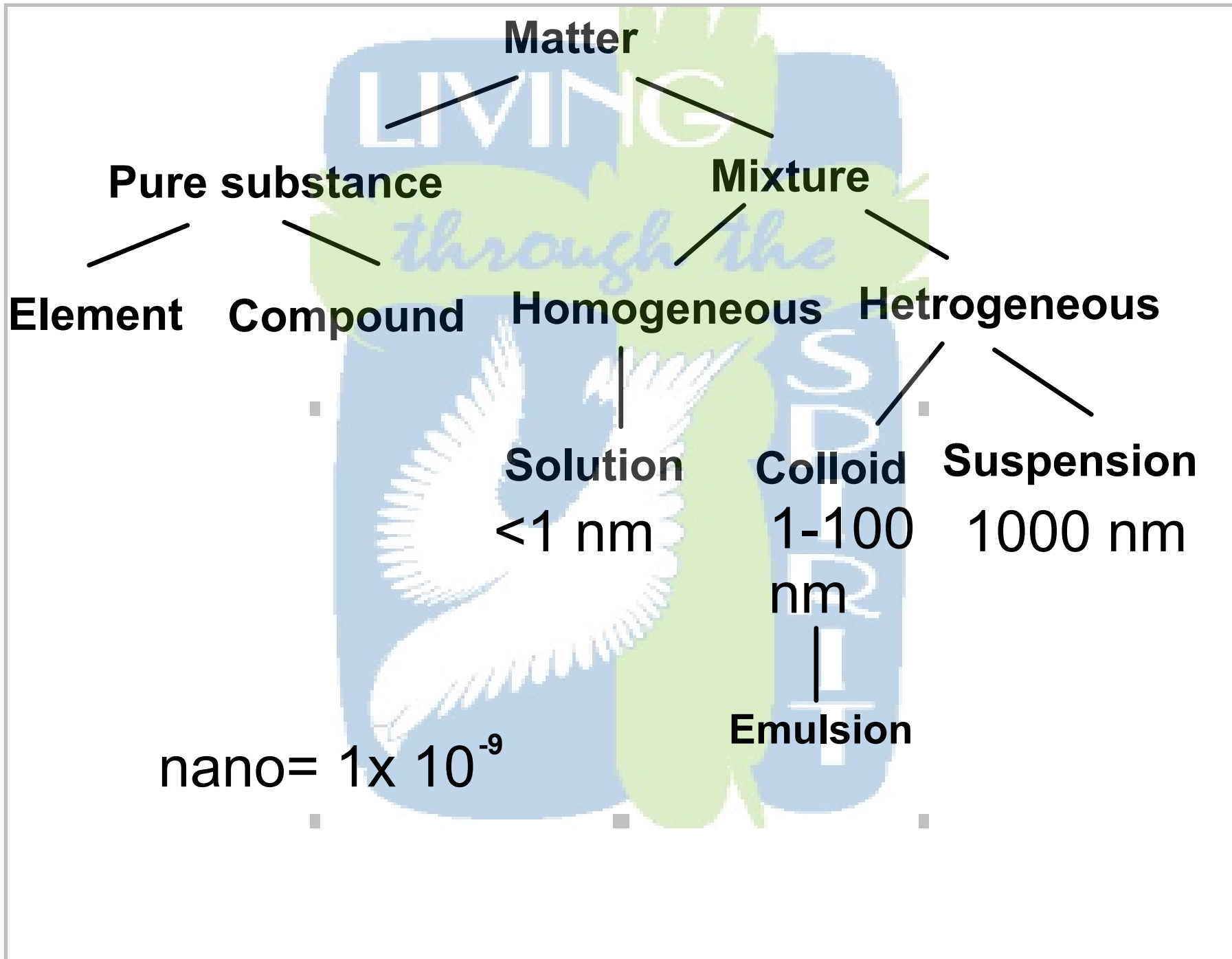


And God said, "Let the water under the sky be gathered to one place, and let dry ground appear." And it was so. God called the dry ground "land," and the gathered waters he called "seas". Genesis 1: 9-10







**LIVING**  
**Solution**

*through the*

**Solvent** - does the dissolving  
the part in largest quantity

**Solute** - what is being dissolved

# Types of solutions

named by its solvent

**Solid**

24k Au    100% Au  
14K Au    52% Au  
10K Au    48% Cu  
            78% Au  
            52% Cu

**liquid**

H<sub>2</sub>O - Universal solvent

**gas**

**Solid** - Alloys

**liquid** - Dental Amalgam

**gas**

**Solid** - salt H<sub>2</sub>O

**liquid** - Vinegar

**gas** - CO<sub>2</sub>

**Solid**

**liquid** - humidity

**gas** - Air

N - 78%

O - 21%

Ar - .93%

CO<sub>2</sub> - .03%

Brass    Pewter  
Bronze  
Stainless Steel  
Jewelry

# Rate of solution

**Like dissolves like**

**Stir/shake**

**Pressure**

**Temperature**

**Surface Area**



## **Solubility**

**supersaturated**

**Saturated**

**Unsaturated**

## **Concentration**

### ***Molarity***

<http://www.fordhamprep.org/gcurran/sho/sho/lessons/lesson64.htm>

