Vocab for Chapter 16 and 15 (we will be learning 16 first): Physical Science

***Please number your paper according to the questions***.

***Compare and Contrast the following terms***

1. elements / compounds
2. substance / mixture
3. heterogeneous mixture / homogeneous mixture
4. physical change / chemical change
5. heat of Vaporization/ heat of fusion
6. Amorphous solids / Crystalline Solids (liquid crystals)
7. Using the chart, define, describe movement, and draw the molecules in each state.

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Define | Movement | Molecular drawing |
| Solid |  |  |  |
| Liquid |  |  |  |
| Gas |  |  |  |
| Plasma |  |  |  |

1. In what ways does water act differently than other liquids? List 3 real life situations, where knowing how water freezes is valuable.
2. Define viscosity. Put syrup, water, and olive oil in order of most viscous to least viscous.
3. Give a real life example of each pressure law (Boyles and Charles)
4. Please give 4 real life examples of how Thermal expansion can affect our daily lives.



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