Colegio Metropolitano
Sixth grade ENCINO PINO SAUCE
Science
Miss Alisson Coronado

**Knowledge Check No. 1**

Name: _____Code: _____

III UNIT – Date: _____

Contents to evaluate: states of matter, changes of state of matter

**Part 1 (2 point each=10 points)**
**Instructions:** Choose the state that represents each property below.

| Property | State of Matter | | | |
|---|---|---|---|---|
| Particles lose electrons due to energy upon them. | Solid | Liquid | Gas | Plasma |
| Flow, with fixed volume | Solid | Liquid | Gas | Plasma |
| Particles are tightly packed together. | Solid | Liquid | Gas | Plasma |
| Particles are separated | Solid | Liquid | Gas | Plasma |
| Releases light and/or heat. | Solid | Liquid | Gas | Plasma |

**Part 2 (1 point each=12 points)**
**Instructions:** Put the following materials and objects into the column of their natural state of matter. The missing spaces write FREE.

| | | | |
|---|---|---|---|
| Smell of popcorn | Sun corona | Chicken | Blood |
| Saliva | Thunderlight | Bad breath | Ice tea |
| Sunflowers | Aurora borealis | Hydrogen | Sand |

| Solid | Liquid | Gas | Plasma |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

LIVEWORKSHEETS

**Part 3 (10 points each=30 points)**
**Instructions:** Choose 3 activities from the tic tac toe below. They must be in line. Solve them on the spaces provided.

| | | |
|---|---|---|
| Describe in words an experiment mentioning any change in state of matter. | Write 5 examples of solid, liquid and gas. | Draw a diagram to explain how particles are in 2 states of matter (you can choose out of 4). |
| Illustrate a diagram explain the different changes in states of matter. | Complete a table comparing liquids and solids. (2 aspects) | Imagine you are constructing a quiz. Write 3 questions you would use in it, and answer them. |
| Write 5 examples of plasma. | Explain how is plasma created. | Explain the difference between gas and plasma. |

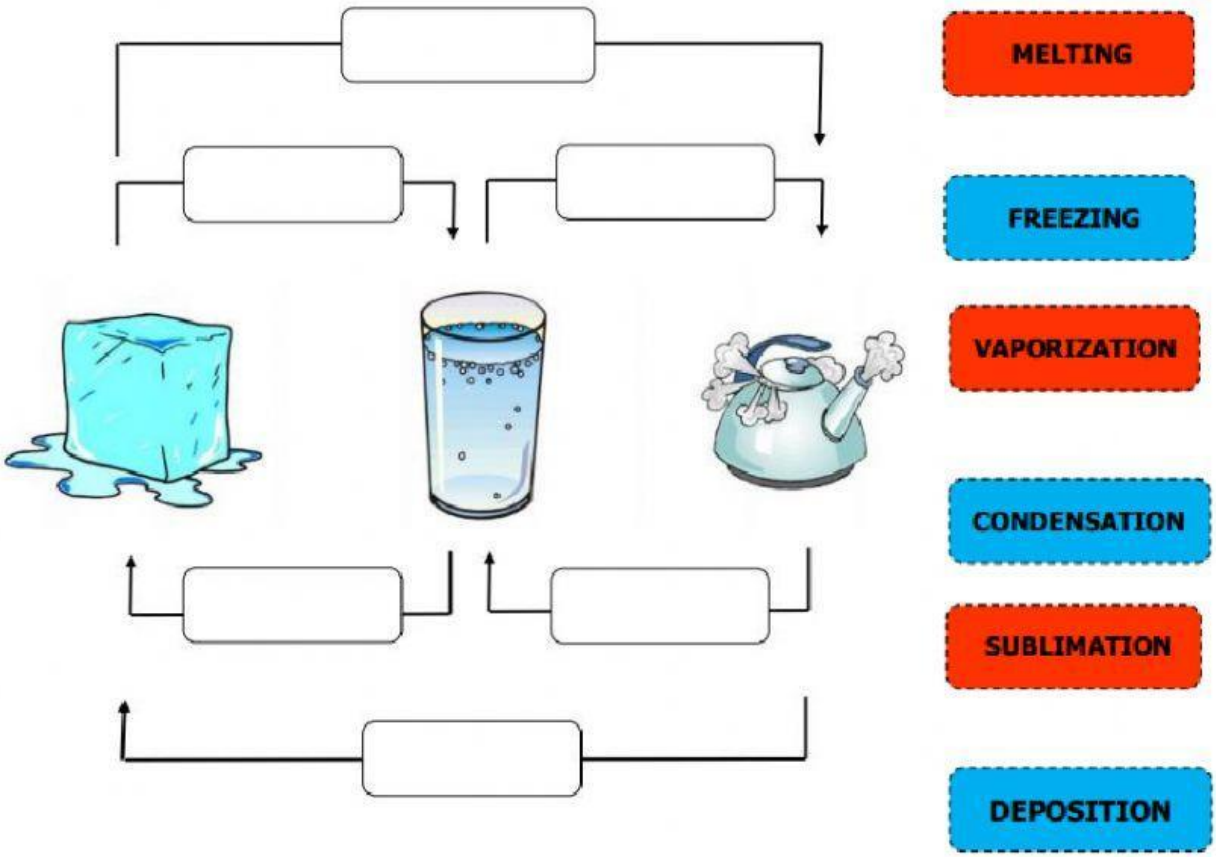
| | | |
|---|---|---|
| 1 | 2 | 3 |

LIVEWORKSHEETS

**Part 4 (2 points each= 12 points)**
**Instructions:** Check **(√)** whether each of the following substances are classified as **solid, liquid, gas or plasma** on the chart below.

| Substance | Solid | Liquid | Gas | Plasma |
|---|---|---|---|---|
| 1. Sun | | | | |
| 2. Smell of baked cookies | | | | |
| 3. Neon | | | | |
| 4. Gasoline | | | | |
| 5. Lightning | | | | |
| 6. Mercury | | | | |

**Part 4 (3 points each=18 points)**
**Instructions:** Label the diagram showing the changing states of matter.

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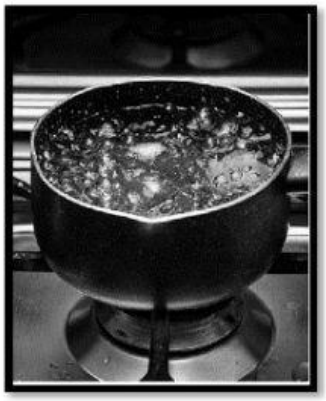
**Part 5 (3 points each=18 points)**

**Instructions:** Identify the following changes of state by writing the correct event in each space provided.



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