 States of Matter Student Lab Sheet Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **ACTION** | **SOLID** | **LIQUID** | **GAS** |
| Describe the movement of molecules. |  |  |  |
| Describe the shape of each state of matter. |  |  |  |
| Describe the volume or space taken by each state of matter. |  |  |  |
| 1 - Draw an example of each state of matter.  2 - List as many examples as you can. |  |  |  |

**Life Cycle of an Ice Cube –** complete the following sentences to show how water changes states of matter due to the transfer of energy.



1. Changing from a solid to a liquid is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Changing from a liquid to a solid is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



1. Changing from a liquid to a gas is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



1. Changing from a gas to a liquid is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**The Water Cycle**

Using the words from Life Cycle of an Ice Cube above, describe the water cycle as it is happening in nature.

**The Mystery Tablet**

1. Predict what will happen when you drop the tablet in water.
2. Record what happened and make a drawing of the cup labeling the three states of matter.