



The Material World

States of Matter

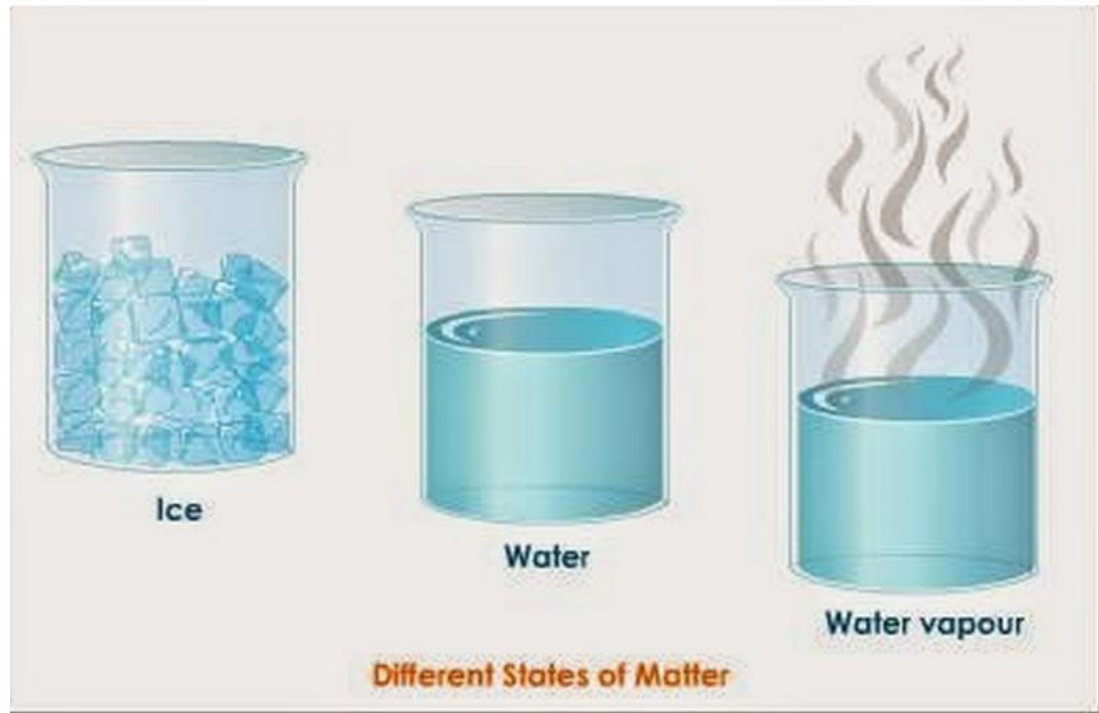
What are the states of matter that you know?

SOLID

LIQUID

GAZ

States of Matter



What do you know about each state of matter?

Video

<https://www.youtube.com/watch?v=UnBoQe2rsgo>

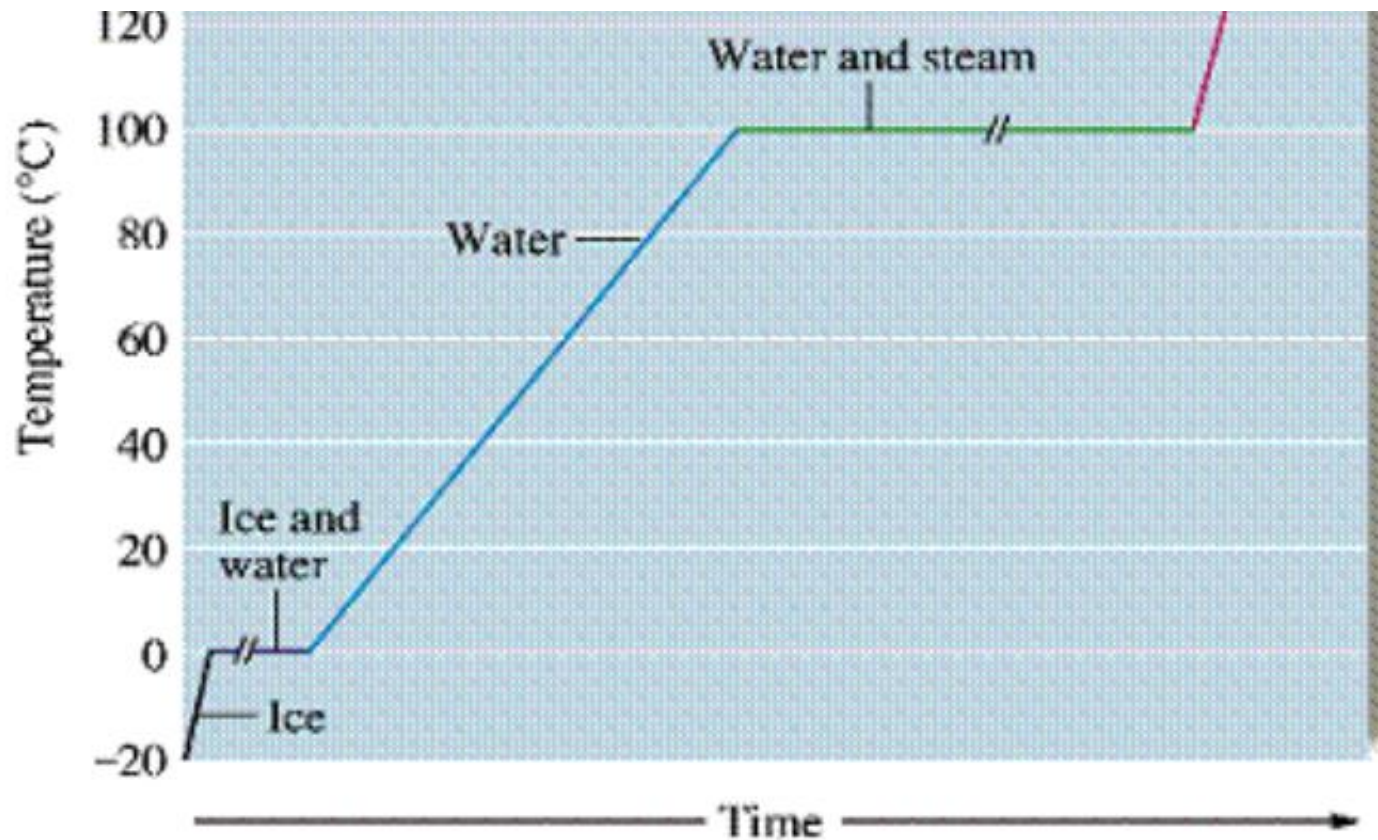
Phase Changes

In order to go from one state to another

ENERGY has to be absorbed or released

What did you see happening in the lab?

Phase Changes



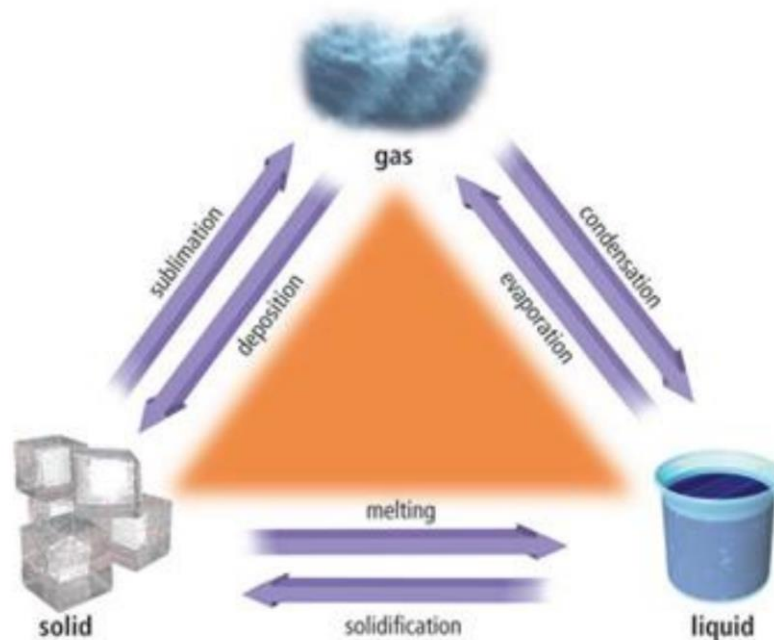
Phase Changes

-All changes in the state of matter are considered to be
PHYSICAL CHANGES

-A physical change only changes the state of matter NOT the
composition of matter

Phase Changes

Draw the following diagram in your notes and label the arrows indicating phase changes.



Components of a Graph

1) Descriptive Title:

Choose a title that best describes the relationship that you are studying

2) Labeled axes and include the units that you are using to measure.

-x is the horizontal axis (label what you are measuring and correct units)

-y is the vertical axis (label what you are measuring and correct units)

3) Scale

Look at your data and decide what scale you should use

Components of a Graph

4) Data

-mark your data points clearly

5) Make a "Best fit line or curve"