

# Matter Simulator:

Controls:

Oxygen:

1. for air molecules(Changes temperature to 60- )
- 2.for liquid molecules(Change temperate to 1-60)
3. for solid molecule(Change temperature to -20-1)

H<sub>2</sub>O:

1. for air(Change to 215-270 degrees)
2. for liquid(215-0)
3. for solid(0-20)

Helium:

- 1.Space for air(-200-268
- 2.Up arrow for liquid(-268-272))
- 3.Down arrow for solid(-272-290)

Carbon Dioxide:

- for air(31-60)
- for liquid(31-56
- Down arrow for solid(-56-100)

How the KMK included:

- The movement of the atoms/molecules when the temperate rises or falls
- Show different particles with different temperature limits

Settings:

If you press the control on the setting the simulator will use different molecules/atoms

Designs:



Settings:

- Explanation on the background of what buttons needed in order to change certain molecules

Oxygen:



H<sub>2</sub>O:



Helium



Carbon

Dioxide:



Sources:

<https://www.co2gas.co.uk/2017/10/08/liquid-co2-can-uses/>

<https://en.wikipedia.org/wiki/Helium#Characteristics>

[https://www.usgs.gov/special-topic/water-science-school/science/evaporation-and-water-cycle?qt-science\\_center\\_objects=0#](https://www.usgs.gov/special-topic/water-science-school/science/evaporation-and-water-cycle?qt-science_center_objects=0#)

<https://www.britannica.com/science/helium-chemical-element>