

# MATTER

*Watch the video and read the information below to understand everything about MATTER:*

<https://www.youtube.com/watch?v=ELchwUllWa8>

## MATTER

Definition: Anything that has weight and takes up space.

EVERYTHING IS MADE OF  
MATTER

*Weight : how heavy is something*

*Volume: the amount of space taken*

## **STATES OF MATTER:**

### **LIQUID**

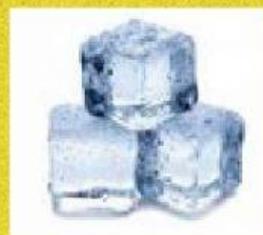
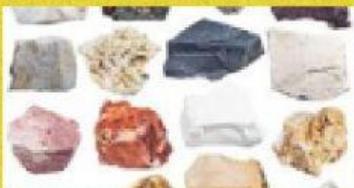
Liquids take up space

Liquids have weight



### **SOLID**

SOLIDs have weight and take up space



## **GAS:**

Air is an example of gas.

**How do we know air (or any gas) is there if we can't see it? -**

### **EXPERIMENT**

✿ If air is matter it should take a space:



✿ If air is matter it should have weight:



**MATTER has WEIGHT and TAKES UP SPACE, whether it's LIQUID, SOLID or a GAS**

## **ANSWER THE QUESTIONS:**



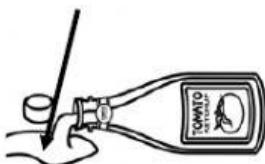
1. Does it take up space? YES/NO
2. Can you see it? YES/NO
3. Does it weigh anything? YES/NO
4. Can it change its shape? YES/NO

**Gasoline** is a LIQUID/SOLID/GAS



1. Does it take up space? YES/NO
2. Can you see it? YES/NO
3. Does it weigh anything? YES/NO
4. Can it change its shape? YES/NO

**Smoke** is a LIQUID/SOLID/GAS



1. Does it take up space? YES/NO
2. Can you see it? YES/NO
3. Does it weigh anything? YES/NO
4. Can it change its shape? YES/NO

**Ketchup** is a LIQUID/SOLID/GAS



1. Does it take up space? YES/NO
2. Can you see it? YES/NO
3. Does it weigh anything? YES/NO
4. Can it change its shape? YES/NO

**A baseball** is a LIQUID/SOLID/GAS



1. Does it take up space? YES/NO
2. Can you see it? YES/NO
3. Does it weigh anything? YES/NO
4. Can it change its shape? YES/NO

**Salt** is a LIQUID/SOLID/GAS



1. Does it take up space? YES/NO
2. Can you see it? YES/NO
3. Does it weigh anything? YES/NO
4. Can it change its shape? YES/NO

**An apple** is a LIQUID/SOLID/GAS