

# ORGANIZATION OF MATTER

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SOLIDS  
LIQUIDS  
GASES

WE NEED TO  
DETERMINE THE TYPE  
OF MATTER BY THE  
DENSITY OF THE  
MATERIAL

# MATERIALS

- Gold

- Water

- Wood

- Air

- Brick

- Rock

- Milk

- Blood

- Ice

- Apple

- Helium

- Butter

- Coffee

- Oxygen

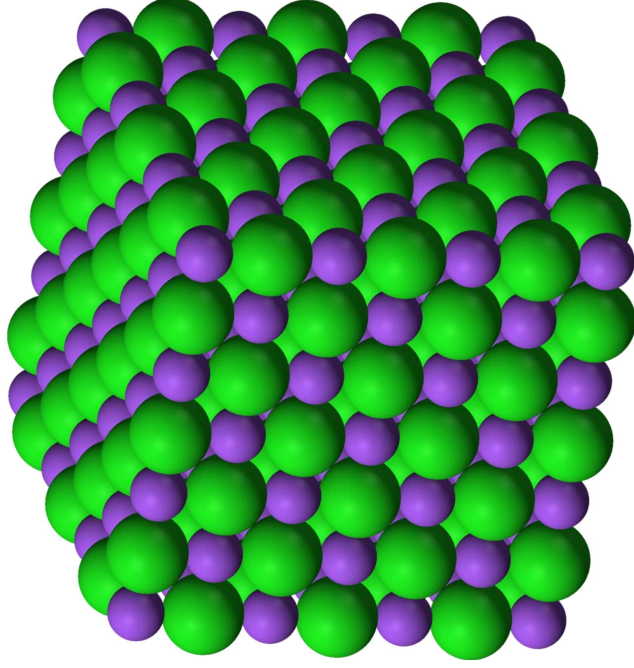
- Honey

- Nitrogen

# SOLIDS

In Solids, Molecules are closely packed together.

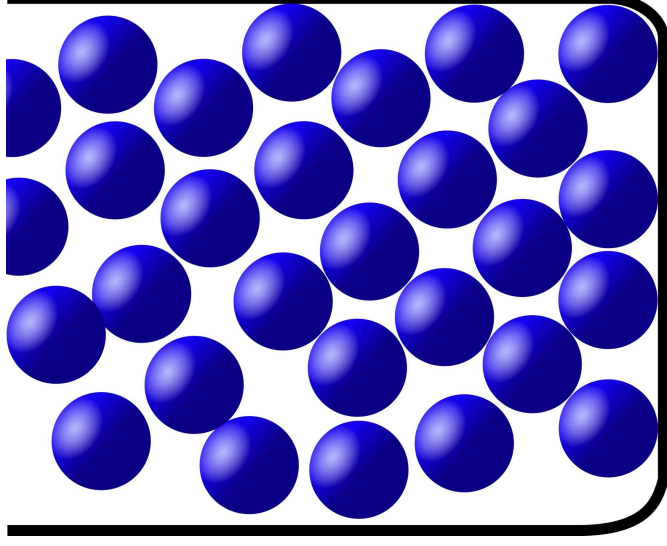
- ★ Gold
- ★ Wood
- ★ Brick
- ★ Rock
- ★ Ice
- ★ Apple
- ★ Butter



# LIQUIDS

Liquids have a definite volume but no fixed shape.

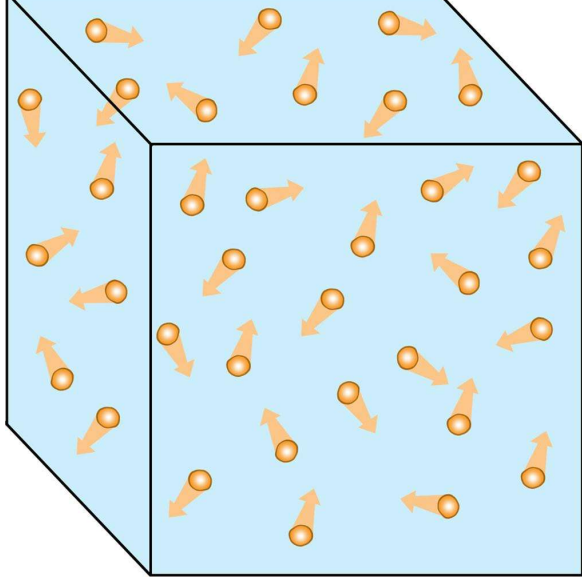
- ★ Water
- ★ Milk
- ★ Blood
- ★ Coffee
- ★ Honey



# GASES

Gas has no fixed shape OR fixed volume. It can expand.

- ★ Air
- ★ Helium
- ★ Oxygen
- ★ Nitrogen



MATTER IS  
COMPLETELY MADE  
FROM PARTICLES TOO  
SMALL TO SEE



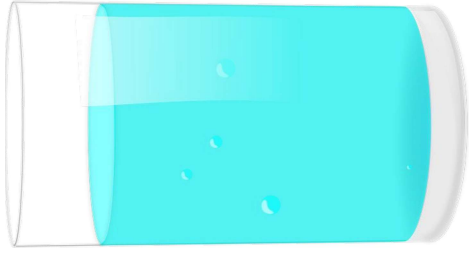
HOW DO WE PROVE THAT  
THESE PARTICLES EXIST?

# USING EVIDENCE, WE CAN PROVE THAT MATTER IS MADE

## FROM TINY PARTICLES



This Basketball has to have something inside of it to keep it inflated - we cannot see the air inside of it, but it still exists



When we add salt to water and stir it, we can no longer see the salt because it dissolved in the water. However, if we taste the water, we can prove that the salt particles still exist even if we cannot see them.

MATTER IS ALL AROUND US  
IT EXISTS IN THE WATER WE DRINK AND  
THE FOOD WE EAT. IT IS TOO SMALL TO  
SEE AND TOO BIG TO LIFT.

MATTER MAKES UP EVERYTHING WE SEE.