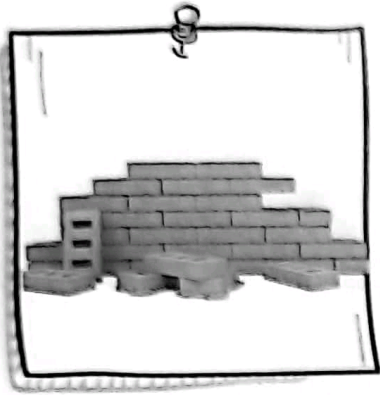


1.1. What is matter?

Matter is everything around us.



A brick is a solid.



Water is a liquid.

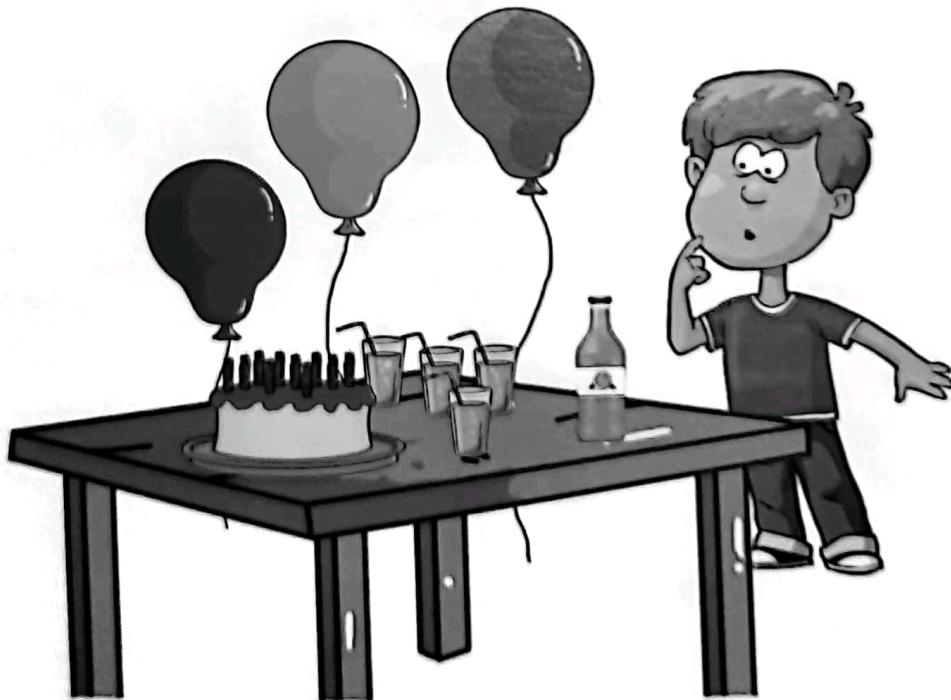


The air inside the bubble is a gas.

Matter exists in three different states. A state of matter is called a phase. These phases are known as solid, liquid or gas.

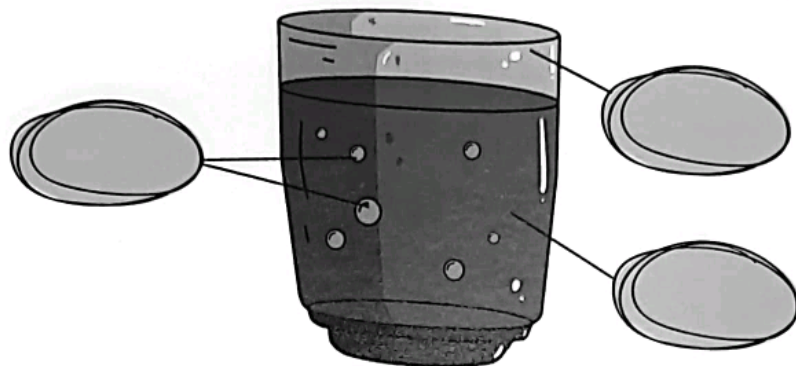
It is Suni's tenth birthday party.

Identify two solids, two gases and one liquid on his birthday table.

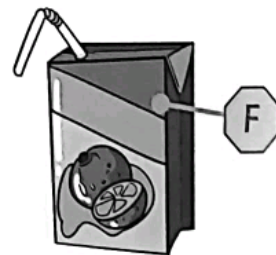
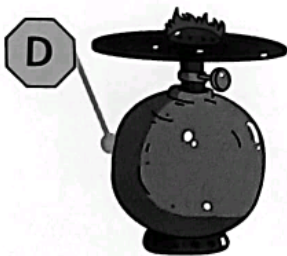
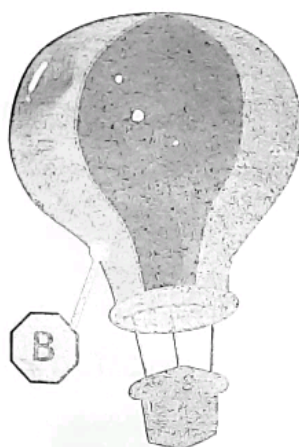


Look at this picture of a glass of soda.

Write labels for solid, liquid and gas in the correct places on the picture.



Identify solids, liquids and gases in the pictures A-F. Write your answer in the space below each picture.



Look at these sentences about matter. Fill in the gaps using the words from the box.

wooden chair

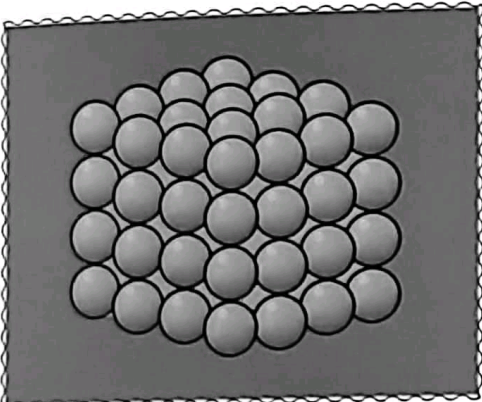
vinegar

phases

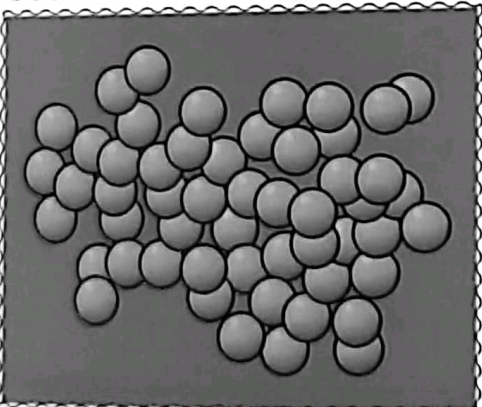
oxygen

particles

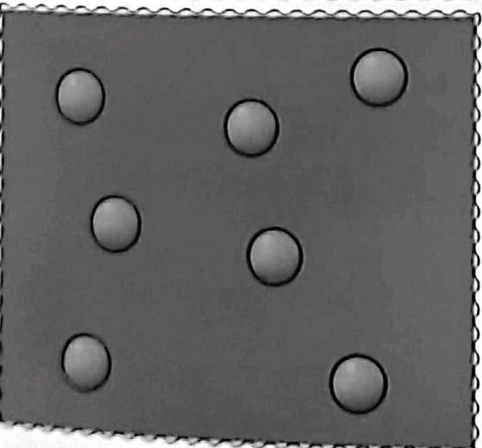
- a) Solid, liquid and gas are the three of matter.
b) All matter is made of tiny pieces called
c) is an example of a gas.
d) is an example of a solid.
e) is an example of a liquid.



Particles within a solid are packed together very tightly in fixed positions. This makes it difficult for the solid to change shape.



Particles within a liquid are close together but they can slide past each other and change places. Because of this, liquids can change shape easily.



Particles within a gas are spaced far apart. This is why gases can have any shape. They can also be squashed easily.