Takes the shape of its container gas liquid solid

What is the difference between a solid and a gas?
Solids,liquids and gases have different properties. A solid has a fixed shape and volumebut some solids can change shape when a force is applied. Gases are often invisible. They escape from an unsealed container and have no fixed shape or volume. States of matter - The three common states of matter are solid,liquid and gas.

Do gases have a definite shape?
Like liquids,gases have no definite shape,but unlike solids and liquids,gases have no definite volume. The change from solid to liquid usually does not significantly change the volume of a substance. However,the change from a liquid to a gas significantly increases the volume of a substance,by a factor of 1,000 or more.

Which state of matter has no definite shape or volume?
Three states of matter exist - solid,liquid,and gas. Solids have a definite shape and volume. Liquids have a definite volume,but take the shape of the container. Gases have no definite shape or volume.

What is the difference between a liquid and a solid?
A solid has a definite shape and volume,while a liquid has a definite volume but takes the shape of the container. In other words,solids maintain their shape,while liquids do not.

Does a substance take the shape and volume of a container?
It takes both the shape and volumeof the container. In the middle container,the substance is a liquid,which has spread to take the shape of its container but not the volume. In the right-hand container,the substance is a solid,which takes neither the shape nor the volume of its container.

Why do liquids fill the shape of the container?
For liquids,the particles are less rigid in the sense they slide past each other,which explains how they have a fixed volume at the macroscopic level but still fill the shape of the container. For solids,the particles are rigid and therefore do not move,giving rise to the fixed shape at the macroscopic level.

Both liquid and solid samples have volumes that are very nearly independent of pressure. A gas takes both the shape and volume of its container. Figure 1. The three most common states or phases of matter are solid, liquid, and gas. A ...

solid: Has a definite shape and volume. liquid: Has a definite volume, but take the shape of the container. gas: Has no definite shape or volume. change of state: When matter is converted ...

The state of **matter **that takes the shape of its container is gas and liquids.The correct option is D.. Gases and liquids can both adopt the shape of their container. Gases are ...

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Solids, liquids and gases have different properties. A solid has a fixed shape and volume but some solids can change shape when a force is applied. Liquids can be poured easily and take the shape of the bottom of the container that they ...

The Gas and liquid takes the shape of the container. A gas fills all available space. A solid maintains its shape. A liquid can be poured. A gas is compressible. A liquid and solid ...

Water is the only common substance that is naturally found as a solid, liquid or gas. Solids, liquids and gases are known as states of matter. Before we look at why things are called solids, liquids or gases, we need to know more about ...

Study with Quizlet and memorize flashcards containing terms like For the following statements, choose from solid, liquid, or gas. A _____ has no fixed shape but takes on the shape of the ...

My Cambridge Physics Coursebook says that Solid "takes the shape of its container". It is endorsed by Cambridge for IGCSE physics. Is it right? How is this possible. It is very Clear and proved. If we put it in a beaker it does ...

Solid - A solid has a fixed shape and volume but some solids can change shape when a force is applied. Liquid - A liquid can flow, has a fixed volume and takes the shape of the bottom its container

Study with Quizlet and memorize flashcards containing terms like matter with no definite shape, but that takes the shape of its container and fills it completely; usually invisible, Something that ...

Solid - A solid has a fixed shape and volume but some solids can change shape when a force is applied. Liquid - A liquid can flow, has a fixed volume and takes the shape of the bottom of its container. Gas - A gas can flow, has no fixed ...

Solid - A solid has a fixed shape and volume but some solids can change shape when a force is applied. Liquid - A liquid can flow, has a fixed volume and takes the shape of the bottom its container. Gas - A gas can flow, has no fixed ...

In a liquid, the particles are still in close contact, so liquids have a definite volume. However, because the particles can move about each other rather freely, a liquid has no definite shape and takes a shape dictated by its container. Liquids ...

Three states of matter exist - solid, liquid, and gas. Solids have a definite shape and volume. Liquids have a definite volume, but take the shape of the container.

Solids, liquids, and gases are the three states of matter commonly found on earth (Figure 1). A solid is rigid

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and possesses a definite shape. A liquid flows and takes the shape of a container, except that it forms a flat or slightly curved ...

Indicate whether each of the following describes a gas, a liquid, or a solid. 1. Helium occupies the entire volume of a balloon 2. The particles in a tank of oxygen are very far apart 3. Lemonade has a definite volume but takes the ...

Liquid. C. Gas. Liquids and gases take the shape of their containers since, they do not have definite shape and volume. ... namely, solid, liquid and gas. The correct order of their ...

Answer to Which of the following is the physical state of. Science; Chemistry; Chemistry questions and answers; Which of the following is the physical state of matter which does not have a ...

It takes both the shape and volume of the container. In the middle container, the substance is a liquid, which has spread to take the shape of its container but not the volume. In the right-hand container, the substance is a solid, which takes ...

Ice (Solid): In the solid state (ice), water molecules are arranged in a regular pattern and vibrate in place. Water (Liquid): As ice melts and becomes liquid water, the particles move more freely ...

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