Can a solid take the shape of its container

Why do solids not take the shape of their container?
Because the particles are already packed closely together,solids can't easily be compressed. Because there are lots of particles in a small volume,solids are dense. Powdered solids cannot take the shape of their container. Do solids take the shape of their container? Solid matter is composed of tightly packed particles.

Does a liquid take the shape of a container?
The particles in a liquid are close together,but they are not bound to fixed positions; they can slide past and around each other. This enables liquidsto take the shape of their container and to flow when they are poured. Does a solid take the shape of a bottom of the container? Solids keep their shape.

Does a solid retain its shape?
A solid will retain its shape; the particles are not free to move around. It will take the shape of its container. Particles can move about within a liquid,but they are packed densely enough that volume is maintained. Furthermore,why do solids keep their shape?

Why do solids have a definite shape?
SolidsEdit They are held in fixed positions but they do vibrate. Because the particles don't move,solids have a definite shape and volume,and can't flow. Because the particles are already packed closely together,solids can't easily be compressed. Powdered solids cannot take the shape of their container. Why does solids have definite shape?

Why do solids have a fixed shape and volume?
This gives solids a fixed shape and volume. Liquids: In liquids, particles are still close together but can move past one another. This allows liquids to flow and take the shape of their container while maintaining a fixed volume. Gases: In gases, particles are far apart and move freely at high speeds.

Why is a solid not a liquid?
This action is not available. Solid are characterized by structural rigidityand resistance to changes of shape or volume. Unlike a liquid,a solid object does not flow to take on the shape of its container,nor does expands to ...

Study with Quizlet and memorize flashcards containing terms like which state of matter has a definite volume but a variable shape?, in which state(s) of matter can materials take the shape ...

Indicate whether each of the following substances does or does not take the shape of its container and also whether it has a definite volume. a. Copper ... Heating substance C to 1000 ...

Study with Quizlet and memorize flashcards containing terms like What physical characteristic is the same for

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liquids and solids gases and liquids, Indicate whether each of the following ...

Solids have a definite shape and volume, meaning they do not take the shape or volume of their container. The particles in a solid are tightly packed and have strong ...

My Cambridge Physics Coursebook says that Solid "takes the shape of its container". It is endorsed by Cambridge for IGCSE physics. Is it ...

Study with Quizlet and memorize flashcards containing terms like Why a solid keeps its shape, Why liquids flow, Why gases are invisible and more. ... fills its container, flows, takes the ...

A liquid can flow and take the shape of its container. Why do solids take the shape of their container? Because the particles are already packed closely together, solids can"t ...

Study with Quizlet and memorize flashcards containing terms like solid, true, liquid and more. ... true or false? a solid will keep its volume and its shape in any position and in any container. ...

A liquid take the shape of its container because particles in a liquid can flow to new locations. The volume of a liquid is constant because forces of attraction keep the particles close together. ...

Slime doesn"t keep its shape, so it"s a liquid. What is different about a liquid and a solid? A solid keeps its shape while a liquid takes the shape of its container. Why isn"t a dream ...

This means that a liquid will take the shape of the bottom of its container. Like a solid, there is very little space between the particles in liquids, so they cannot usually be compressed close ...

Study with Quizlet and memorize flashcards containing terms like The constant motion of the particles in a liquid causes the liquid to take the shape of its container., At room temperature ...

A solid will take the shape of its container. A solid has a definite volume. A solid will completely fill its container. A solid has a definite shape. A solid has a definite volume. About us. About ...

As a result a solid has a definite shape and a definite size. Glass, plastic, stone are solid in form. Liquid. A liquid has definite size (or volume) but indefinite shape. For example, ...

What does a solid do in a container? Solids can hold their shape because their molecules are tightly packed together. Liquids will flow and fill up any shape of container. Solids like to hold ...

Gases have an indefinite shape and will change shape to fit the shape of the container. Can a tree be a liquid? No; a tree is a solid because it has a definite volume and a definite shape.

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Liquid behavior can be characterized by the moderate kinetic energy of its particles, allowing them to slide past one another, conforming to the container"s shape. However, it is the balance ...

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 ...

Liquid particles, while more restricted, can still move around each other allowing liquid to flow into the shape of its container. Step by step solution. 01 Understanding Particle Theory of Matter ...

A solid is a state of matter that maintains its own shape instead of conforming to the shape of its container. If a piece of ice is placed in a cup, it does not flow downward and take on the shape ...

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