

Does a solid take the shape of its container?

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 not change shape. So why do we say that a solid takes the shape of its container
Caption 9.3: "fixed shape".

Why do solids keep their shape and volume when placed in a container?

Solids maintain their shape and volume when placed in a container because their particles are closely packed and have limited ability to move past one another. The solid will take on the shape of the container but will not flow to fill it completely. A solid will stay compact.

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 liquids to 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.

Do solid objects keep their own shape?

Well, hello there, friend! Solid objects, like a happy little rock or a gentle mountain, usually keep their own shape and volume no matter what container they're in. They're like a steadfast friend, always staying true to themselves. Just remember, it's okay to be yourself and stand tall, just like a solid does in its container.

Why do solids have a definite shape?

Solids Edit 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 do solids have definite shape?

Why do particles in matter hold their shape?

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. Click to see full answer.

Solid is the state in which matter maintains a fixed volume and shape; liquid is the state in which matter adapts to the shape of its container but varies only slightly in volume; and ...

The correct answer is solid. Unlike a liquid or a gas, a solid has a fixed shape and volume and does not take the shape of the container it is in. In a solid, the particles are arranged in a way ...

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because the particles aren't packed tight like a solid so it keeps its shape in the container. Wiki User. ? 12y ago.
This answer is:

In a solid the particles are in a regular pattern and are packed tightly together so it doesn't take the shape of its container. The particles in liquids and gases are more spread out ...

Hence, we can say that rubber band has fixed shape. Also, it satisfies all other properties of solids (it has fixed volume, it does not flow like liquids and does not take shape of ...

The correct options are B. Liquid. C. Gas. Liquids and gases take the shape of their containers since, they do not have definite shape and volume. Only solids have definite shape and volume.

Liquids have a definite volume, but take the shape of the container. Gases have no definite shape or volume.
What does a solid do in a container? Solids can hold their shape because their ...

Solid state - the substance has a fixed shape and cannot be compressed. Liquid state - the substance can flow, it fills the shape of its container and cannot be compressed. Gas state - the substance does not have a fixed shape and will ...

One common characteristic between gases and liquids is that both take the shape of the container. Why are gases different from liquids? ... a chair does not change shape and ...

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 their shape. In the same ...

However, when returned to room temperature conditions, mercury does not exist in solid state for long, and returns back to its more common liquid form. Summary. Three states of matter exist ...

Study with Quizlet and memorize flashcards containing terms like Solid, Liquids and Gas, Solid and more. ...
Are the molecules held in a defined shape? Liquid. In which phase(s) do the ...

Solid. Solids have a fixed shape and volume because their particles are tightly packed together, forming a rigid structure that does not allow them to flow and take the shape ...

How does a gas take the shape of its container? A liquid can flow and take the shape of its container. Gases don't have a fixed shape or a fixed volume. ... The change from ...

Study with Quizlet and memorize flashcards containing terms like What does all matter have?, Atoms of a _____ move around the most., Which form of matter does not take the shape of a ...

Does solid take shape in a container

The molecules in a solid are closely packed together and contain the least amount of kinetic energy. A solid is characterized by structural rigidity and resistance to a force applied to ...

The key is that solids hold their shape and they don't flow like a liquid. Liquids will flow and fill up any shape of container. Solids like to hold their shape. In the same way that a ...

No, a solid is a type of matter in which the particles are closely packed together and have a fixed shape and volume. A container is an object used to hold or store things within its ...

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 ...

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