If placed in a container what shape is solid

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.

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 shapeand 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.

Do solids have a definite shape and volume?
No,solids have a fixed shape and volume. They do not take the shape of their container like liquids and gases do. Yes,the characteristics of a solid is a definite shape and a definite volume when it is left alone. Yes. That is one of the properties that distinguishes it from liquids or gasses,both of which do not. ?

Why does a solid have a definite shape?
In solids,the molecules are bond together by strong intermolecular forces,so the molecules are not free to move. Therefore,a solid has a definite shape and does not take the shape of its container.

What happens when a solid is placed in a container?
When a solid is placed in a container and heat is applied,a phase changeoccurs. Watch the video and identify which of the following statements are correct. Check all that apply. View Available Hint (s) Check all that apply. The temperature increases while all of a liquid is converted to a gas.

In general, for a rigid solid, the size and shape remain unchanged, i.e., $$textbf {Size and Shape (Rigid Solid)} = textbf {Constant}$$ For a malleable solid, the size remains ...

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A gas does not change shape when placed in different containers because its particles are free to move and spread out to fill the available space, regardless of the ...

If placed in a container what shape is solid

A solid is in the shape of a hemisphere of radius 7 cm, surmounted by a cone of height 4 cm. The solid is immersed completely in a cylindrical container filled with water to a ...

When a solid is placed in a container, its shape remains unchanged because solids have a fixed shape and volume. The particles in a solid are tightly packed and arranged ...

Unlike gases and liquids, solids will not take on the shape of a container. Based on the solid definition, this state of matter has a defined volume and cannot expand to fill the container"s ...

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 ...

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 ...

Solids: have a well-defined boundary or surface are rigid, and generally retain their shape unless distorted by a force Liquid: flow readily, conforming to the shape of their container have a well ...

Two objects, T and B, have identical size and shape and have uniform density. They are carefully placed in a container filled with a liquid. Both objects floats in equilibrium. Less of object T is ...

Study with Quizlet and memorize flashcards containing terms like Solid, Liquid, Gas and more. ... -Particles are close together with no regular pattern of arrangements; -has a fixed volume that ...

A rock is an example of a solid. This rock retains its shape because of the forces holding its atoms together. (b) Atoms in a liquid are also in close contact but can slide over one another. ... When a liquid is placed in a container with no lid on, ...

Study with Quizlet and memorize flashcards containing terms like A state of matter is the physical form matter takes on as determined by the-, A solid is considered to have a-, ...

Liquids will flow and fill the lowest portion of a container, taking on the shape of the container but not changing in volume. Which state of matter takes the shape of its container? ...

Study with Quizlet and memorize flashcards containing terms like Gas Shape is fixed No The shape depends on the container Yesterm-10 Volume is fixed No Particles touch, with some ...

Liquids will flow and fill up any shape of container. Solids like to hold their shape. In the same way that a large solid holds its shape, the atoms inside of a solid are not allowed ...

If placed in a container what shape is solid

The state of matter that maintains both shape and volume when placed in a different container is a solid. Solids have particles that are tightly packed together, giving them ...

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$begingroup$ @JonCuster Mechanical dissipation will also occur in the solid due to internal friction. However, at least two other things will differ between containers filled with a ...

Solid matter is composed of tightly packed particles. A solid will retain its shape; the particles are not free to move around. Liquid matter is made of more loosely packed ...

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