Does a solid fill its container

Why does a solid not fill its container completely?
Give reason: A solid does not fill its container completely. Solids have a distinct shape and volume. Unlike liquids,solids do not fill their containers completely. This is because their particles are held tightly together by strong inter-particle forces,which prevents them from leaving their positions in order to fill the container.

Does a solid liquid expand to fill a container?
Does a solid liquid or gasexpand to fill its container? 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 gas is the state in which matter expands to occupy the volume and shape of its container.

Do solids flow like liquids?
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 large solid holds its shape,the atoms inside of a solid are not allowed to move around too much. Can solids flow like liquids?

How do liquids fill a container?
Liquids will flowand fill the lowest portion of a container,taking on the shape of the container but not changing in volume. The limited amount of space between particles means that liquids have only very limited compressibility. What state of matter spreads out to fill a container?

What is the difference between liquid and solid?
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 gas is the state in which matter expands to occupy the volume and shape of its container. Does liquid spread to fill a container?

Do solids have a constant volume & shape?
Solids are non-compressible and have constant volume and constant shape. Gases do not have a constant volume or shape; they not only take the shape of the container they are in,they try to fill the entire container. Can solids liquids and gases flow?

Solid does not fill its container completely as solids have definite shape and volume, so it can not change its shape or volume to completely fill the container. Do liquids always fill their ...

Thus, a solid can not fill its container completely because its particles can not move. Suggest Corrections. 2. Similar questions. Q. Using the kinetic theory of matter, explain why a gas ...

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 ...

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Why does a solid not fill its container completely? Explanation: The particles that make up a solid are packed very closely together. In addition, each particle is tightly fixed in one position. This ...

does a solid completely fill its container? no. does a liquid ocmpletely fill its container? yes. does a gas completely fill its container? yes. does a solid have definite volume? yes. does a liquid ...

Does gas occupy the total volume of its container? Gases are unlike other states of matter in that a gas expands to fill the shape and volume of its container. For this reason, ...

A solid does not fill the container completely because its particles are arranged in a fixed, orderly pattern with empty spaces between them. These empty spaces prevent the solid ...

Matter in the solid state maintains a fixed volume and shape, with component particles (atoms, molecules or ions) close together and fixed into place. Matter in the liquid state maintains a ...

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 ...

A large enough volume of liquid or solid could fill a container completely but only the smallest amount of a gas will fill the whole container. Wiki User ? 15 y ago

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 ...

No, a solid does not expand to fill its container because solids have a fixed shape and volume. The particles in a solid are closely packed together and cannot move freely to fill ...

Do liquids completely fill the container? Liquids will flow and fill the lowest portion of a container, taking on the shape of the container but not changing in volume. The limited ...

In physics, the reason why a solid doesn"t completely fill its container is due to the arrangement of its particles and the forces between them. Solids have a fixed shape and ...

Does liquid fill a container completely? Liquids will not change its volume to spread out and hence do not completely fill a container. Why can a liquid change to take the ...

(a) Solid O 2 has a fixed volume and shape, and the molecules are packed tightly together. (b) Liquid O 2 conforms to the shape of its container but has a fixed volume; it contains relatively densely packed molecules. (c) Gaseous O 2 fills ...

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Because of this, not only will a gas conform to the shape of its container, it will also expand to completely fill the container. Does gas take the shape and volume of a container? ...

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. thermodynamics; states-of-matter; textbook-erratum; phase-diagram; Share. Cite. Improve this question. ...

All four states of matter could fill a container completely if there was enough of them.That said the properties of the 3 states of matter (that you need to know about for ...

Does a solid liquid or gas expand to fill its container? Solid is the state in which matter maintains a fixed volume and shape; liquid is the state in which matter adapts to the ...

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