

# Does solid matter take shape of its container

What is the difference between solid matter and liquid matter?

Solid matter is composed of tightly packed particles that retain their shape, while liquid matter is made of more loosely packed particles that take the shape of their container. In solids, particles are not free to move, whereas in liquids, particles can move about but maintain the volume of the liquid.

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.

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".

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. ?

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.

What state of matter adapts to the shape of its container?

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. Solid is the state in which matter maintains a fixed volume and shape.

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 ...

What are the properties of matter? (1) shape (2) mass (3) volume) ... One common characteristic between gases and liquids are that both take the shape of the container. ... they are unable to ...

A solid is rigid and possesses a definite shape. A liquid flows and takes the shape of a container, except that it

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forms a flat or slightly curved upper surface when acted upon by gravity. (In zero gravity, liquids assume a spherical shape.) ...

Now compare this to a liquid. Liquid particles are closer together and have less kinetic energy than gas particles. This does cause liquid to take the shape of its container, but only to the ...

flow and take the shape of their container, because their particles can move around each other cannot be compressed, because their particles are close together and have no space to move into Gases:

A solid has a fixed shape and a fixed volume. Your pencil is an example of a solid object. It's shape will remain the same no matter what room you put it in. It's volume - the amount of space it occupies - will also be the ...

It does not take the shape of its container. It also has a definite volume because it can be measured., Milk, Helium and more. Study with Quizlet and memorize flashcards containing ...

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 ...

Study with Quizlet and memorize flashcards containing terms like What are the two general characteristics that all types of matter possess, what are air, pizza, sound, and gold classified ...

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 ...

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 ...

What are the states of matter. How many are there. Check out a few examples of states of matter and how they transform from one state to another.

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 particles. It will take the shape of its container. Particles can move ...

The three main states of matter are: Solid: in solids, the molecules are bond together by strong intermolecular forces, so the molecules are not free to move. Therefore, a ...

liquid take shape of the container because the liquid particles stay together but they still more around. solid does not take the shape of the container, because solid is solid. ...

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Powdered solids cannot take the shape of their container. Why does solids have definite shape? Motion of Particles in Solids Solids have a definite volume and shape because ...

Gases have neither a definite shape nor a definite volume, and they expand to fill their containers. Figure 1.2.3 1.2. 3: The three most common states or phases of matter are solid, liquid, and ...

Solid A type of matter that keeps its shape. Liquid A type of matter that takes the shape of its container. Gas A type of matter that fills its container. QUESTIONS ABOUT ...

sand - solid Complete each sentence with the word solid, liquid, or gas. A solid has a definite shape. It does not take the shape of its container. It also has a definite volume ...

Do solids take the shape of their container? Solid matter is composed of tightly packed particles. A solid will retain its shape; the particles are not free to move around. It will ...

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