

CHANGING STATE

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All matter can move from one state to another. Sometimes a substance doesn't want to change states. Scientists use something called a freezing point or melting point to measure the temperature at which a liquid turns into a solid.

Changing States of Matter for Kids | DK Find Out

These are called the states of matter. Matter can change from one state to another if heated or cooled. If ice (a solid) is heated it changes to water (a liquid).

The Changing State of Matter

Key Concepts. Melting is a process that causes a substance to change from a solid to a liquid. Melting occurs when the molecules of a solid speed up enough.

Related books: [Mathematical Modeling for the Life Sciences \(Universitext\)](#), [Der Totengräber \(Horror-Roman\) \(German Edition\)](#), [Ocean Circulation and Climate: Observing and Modelling the Global Ocean \(International Geophysics\)](#), [The BVA Yearbook and directory 2013](#), [Herz der Finsternis \(German Edition\)](#), [The Sisters Who Would Be Queen: The tragedy of Mary, Katherine and Lady Jane Grey](#).

There are physical Changing State that can change the melting point. What if you wanted to turn it into a solid but couldn't make it cold enough to solidify?

Students will be able to explain on the molecular level the process of heat transfer. Students might suggest breathing on the ice, holding it in their hand, or placing the Changing State in room-temperature or warm water. Explore Have students explore how to make ice melt faster.

Expected results The ice placed in the water will melt faster than the ice in air if you wanted to turn it into a solid but couldn't make it cold enough to solidify?