



Windows on Literacy™

国家地理
儿童百科

Physical Science

物理科学

Water Can Change

水能发生变化



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外语教学与研究出版社

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学习语言

词汇

- ★ 单词量：138
- ★ 高频词：any, goes, has, most, put, takes, what, when
- ★ 主题词：ice, solid, melts, water, liquid, container, heat, steam, gas

拼读细解

- ★ 词首辅音组合：st, spr, sp, fl (steam, spread, space, flows)
- ★ 辅音二合音：sh, ch (shape, change)
- ★ 元音：a, e, i, o (make, heat, ice, flow)

理解与思考

- ★ 了解书的各个部分
- ★ 利用主题特点理解本书的内容
- ★ 了解书中所讲过程的各个步骤
- ★ 根据内容理解事情的起因与结果

听、说、写

- ★ 根据上下文填空
- ★ 能描述物质特性
- ★ 能回答有关水如何发生变化的问题

学习科学

动脑筋 学知识

- ★ 认识到水的属性可以发生变化
- ★ 了解水可以呈现出冰、水和水蒸气的形态
- ★ 预测加热将使水如何发生变化
- ★ 观察水作为固体、液体以及气体时的特性

丰富科学知识

本书鼓励孩子们分享和阐明他们对显而易见的现象的想法。这篇文章解释了变化是一种过程，而且变化的各个阶段可以被记录和讨论。本书还可引导孩子们联系他们身边其他形式的变化，比如水坑在雨后变干或者暴风雪过后雪的融化等现象。

流利级

我的街道
我们的城市
寻找新房子
洗车房
你能看见昆虫吗？

从田野到花商
为你制作冰激凌
风力
我的鱼缸
玉米

杰克的渔船
暴风雨来临时
猫的胡须
交通工具
水能发生变化

旅游景点
重型机器
磁铁
地图图例
花生

沙漠雨季
沿河旅行
热带雨林
土壤
花生

Water Can Change

水能发生变化



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Ice 3

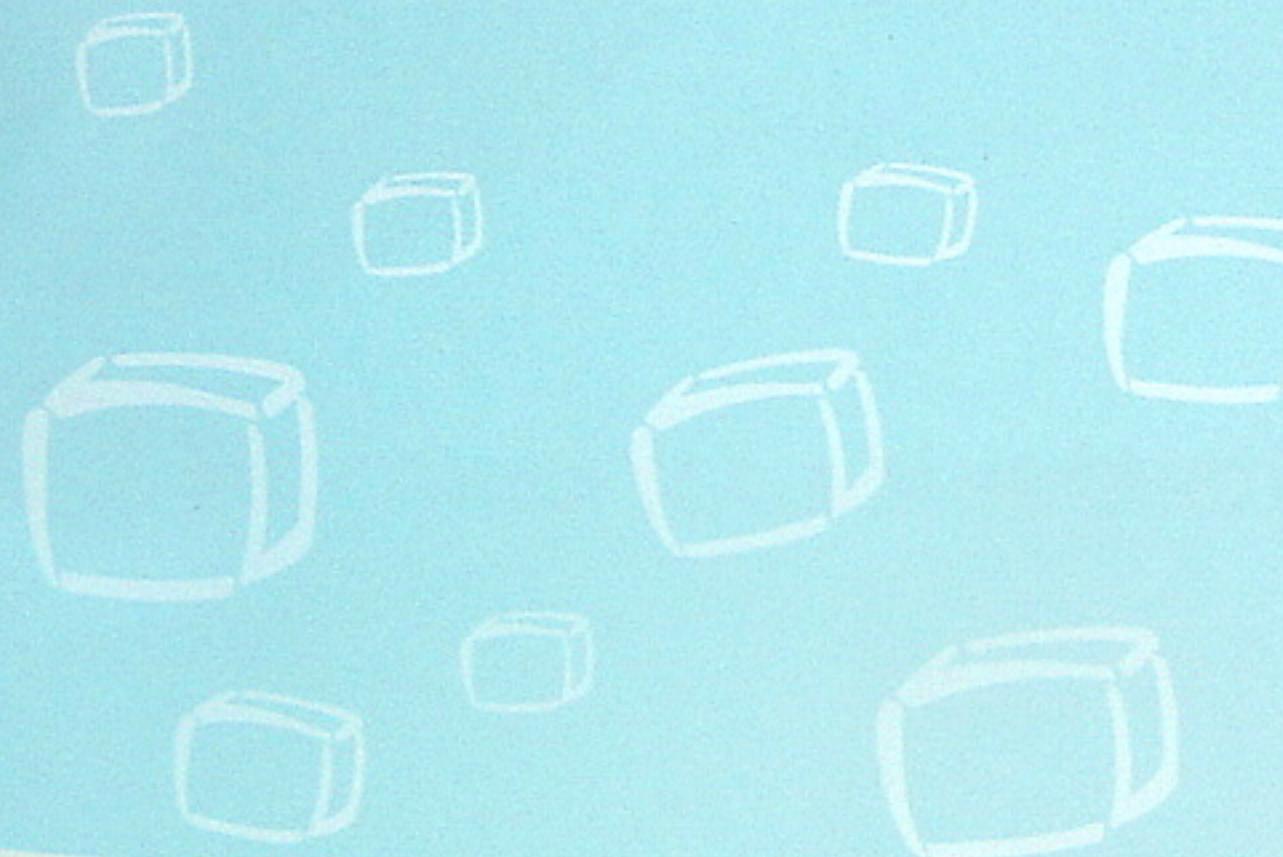
Water 6

Steam 10

Ice

Ice is hard and cold.
Ice is a solid.

A solid has
its own shape.



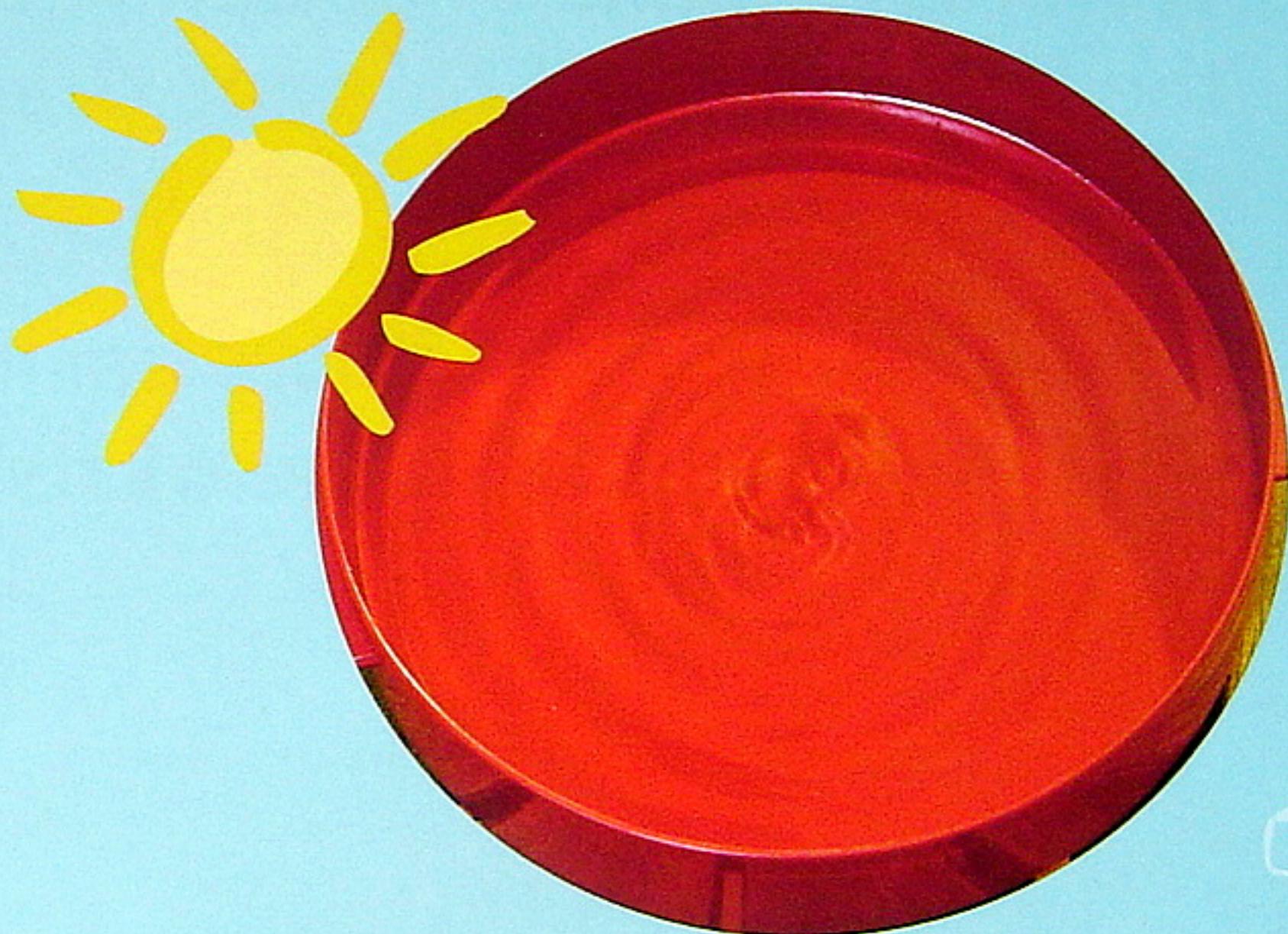
What happens when you put ice in the sun?



- 1 The heat from the sun melts the ice.



2 The hard ice changes.



3 The ice becomes water.

Water

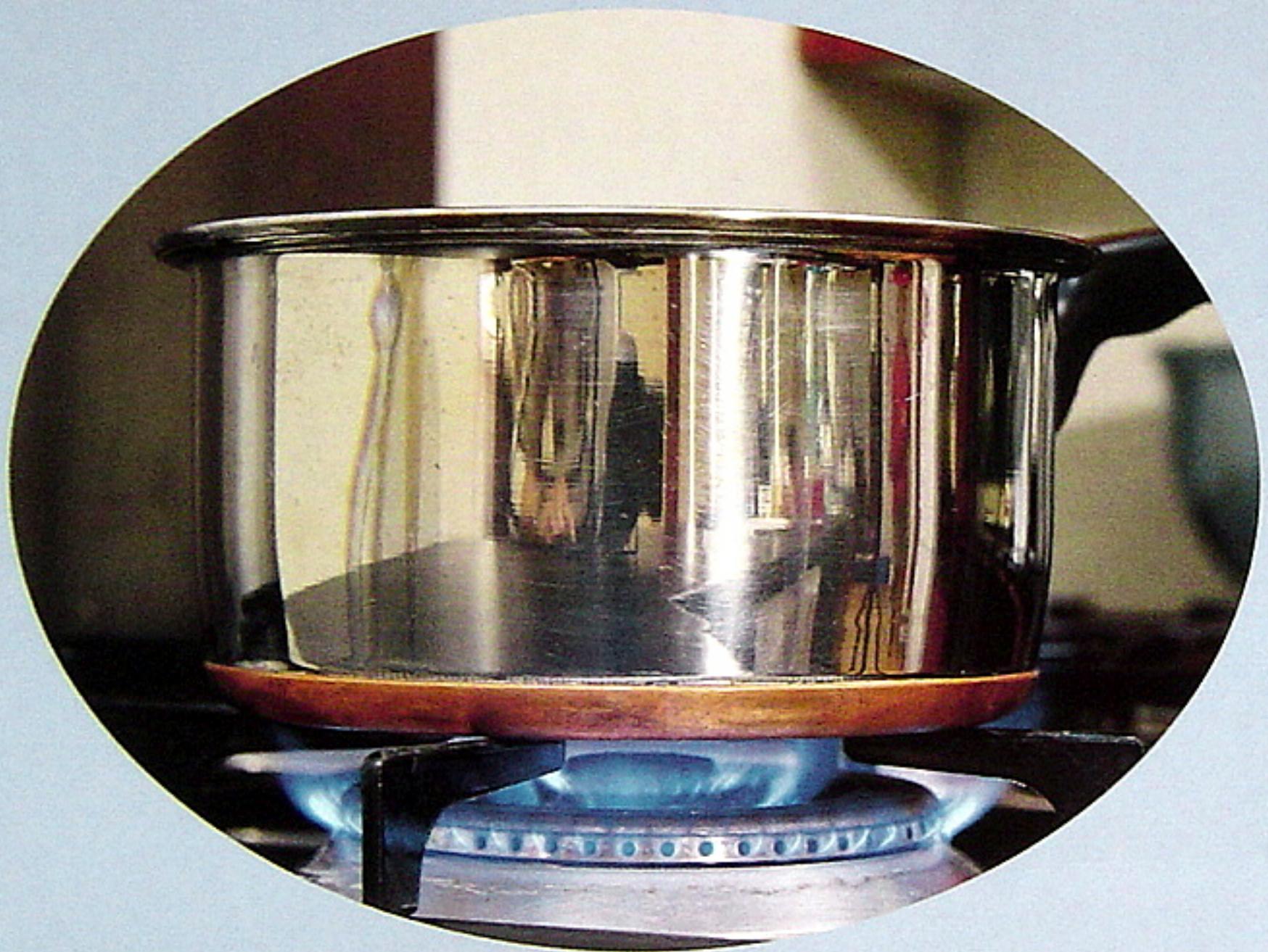
Water is a liquid. The heat changed the ice to water. The heat changed the solid to a liquid.

**A liquid is runny. It flows easily.
A liquid takes the shape of its container.**





What happens when you heat water?



- 1 The heat makes the water boil.

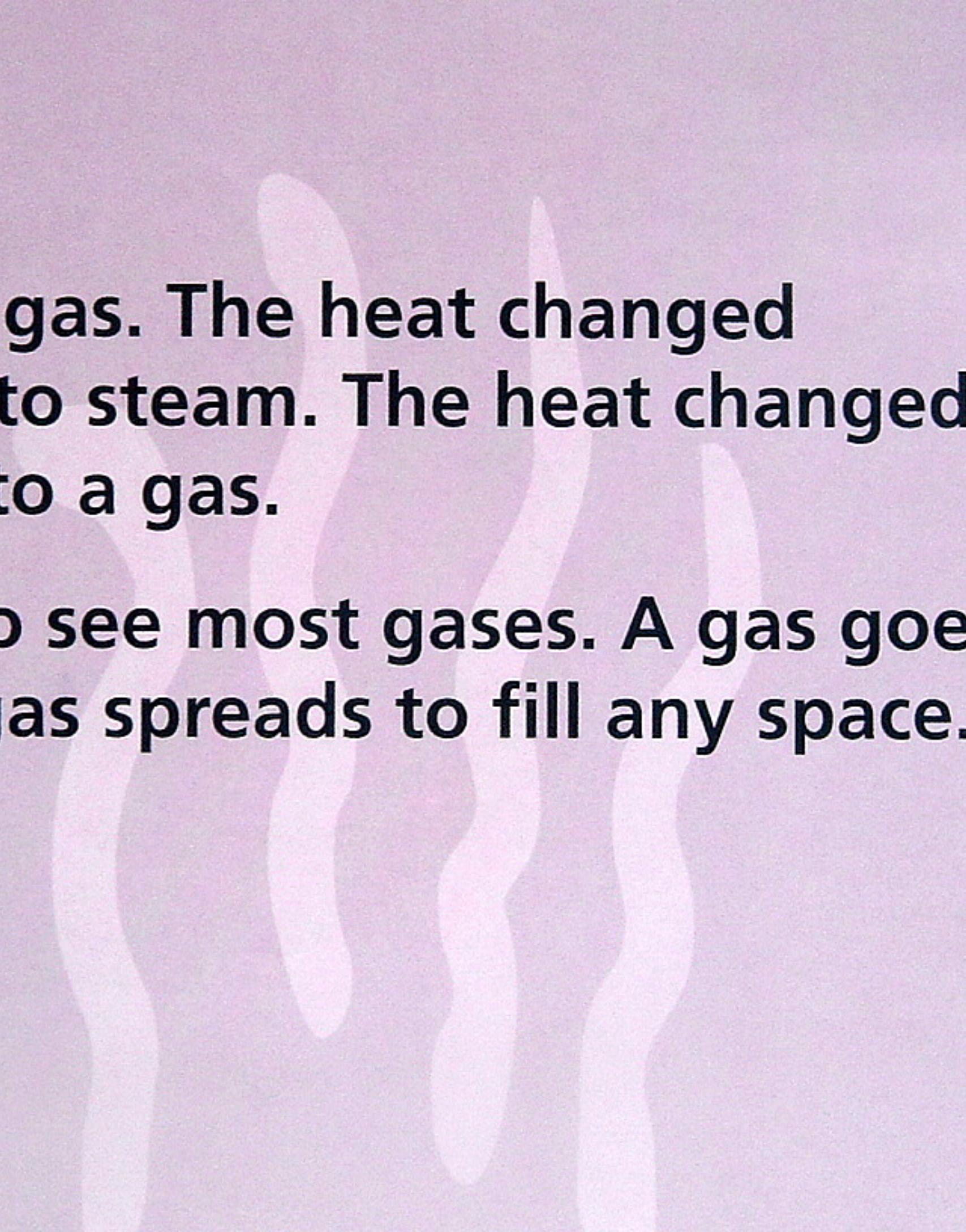


2 The water changes.



3 The water becomes steam.

Steam

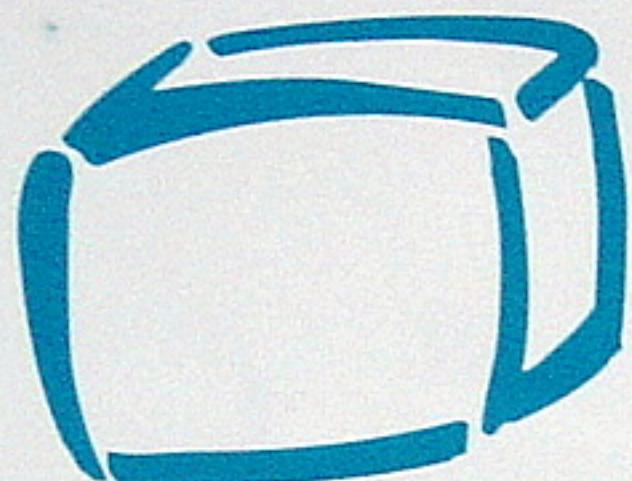
A faint, semi-transparent background image of a person's face, possibly a child, looking slightly upwards. The person's features are partially hidden behind a misty or smoky texture.

Steam is a gas. The heat changed the water to steam. The heat changed the liquid to a gas.

It is hard to see most gases. A gas goes into the air. A gas spreads to fill any space.

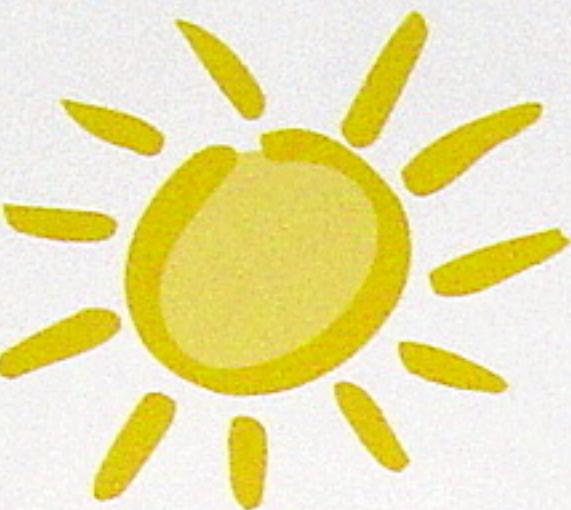


Heat can make things change.



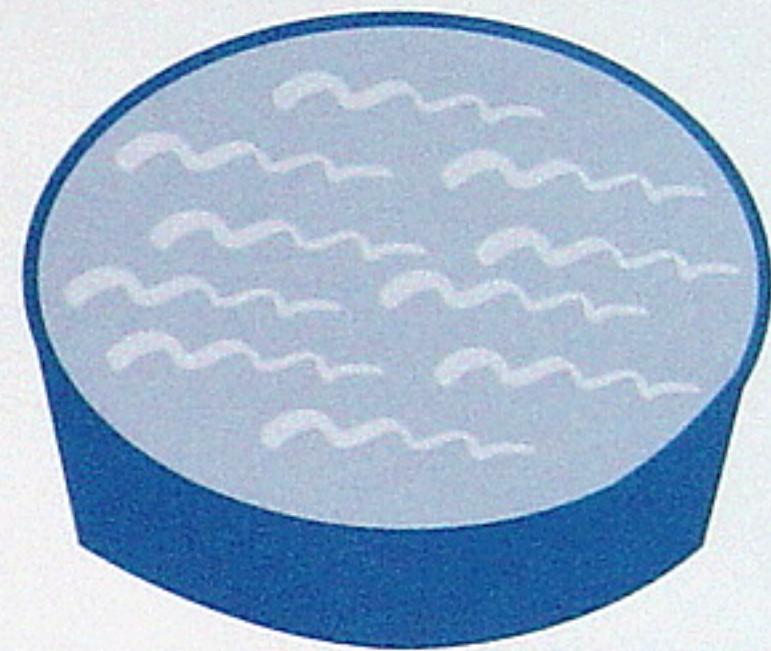
ice

+



heat

=



water



water

+



heat

=



steam

..... Think and Discuss



What makes the water boil?



入门级

提高级

流利级

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