



Heating materials

Many materials change when they are heated.

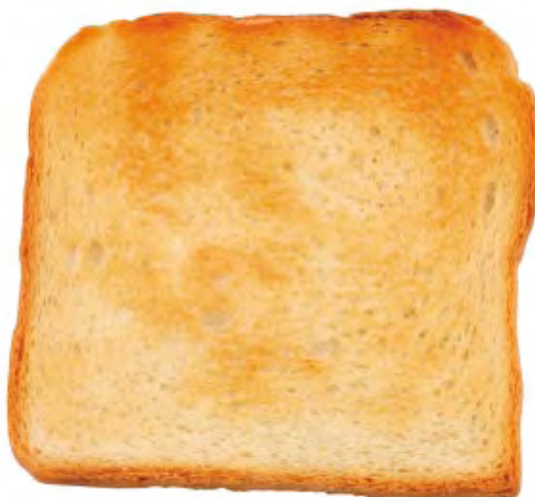
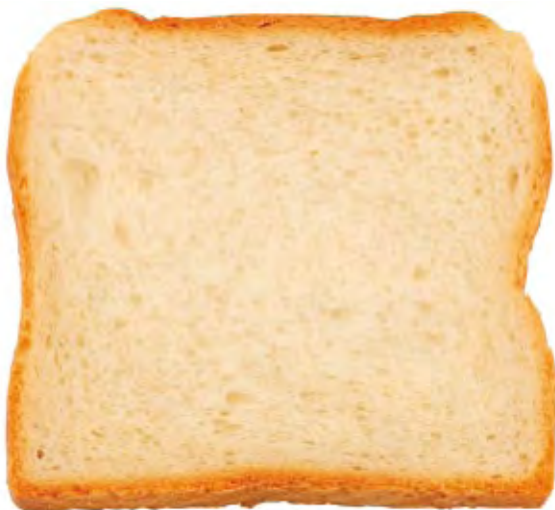
Fresh bread



Heating often causes a material to change into something new. Once it is heated we usually cannot change it back to what it was.

You can see what happens by watching bread change to toast. Pottery and bricks are common materials that change when they are heated.

Bread is a white, soft and bendy material when you take it from the packet. If you heat it in a toaster the bread changes. It becomes brown, hard and brittle. If you try to bend a slice of toast it breaks.



As you toast bread it becomes crisper on the outside.



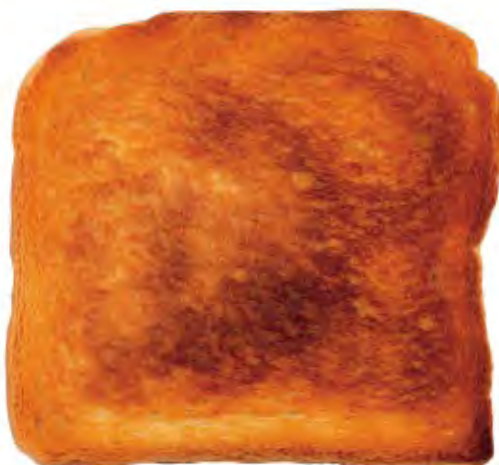
Clay is a soft material. Its shape can be changed easily on a potter's wheel.



Clay can be baked into useful things like mugs.



Baked clay is very hard and brittle and breaks easily.



Burnt bread is hard and brittle.

What do you use baked clay objects for in your home?