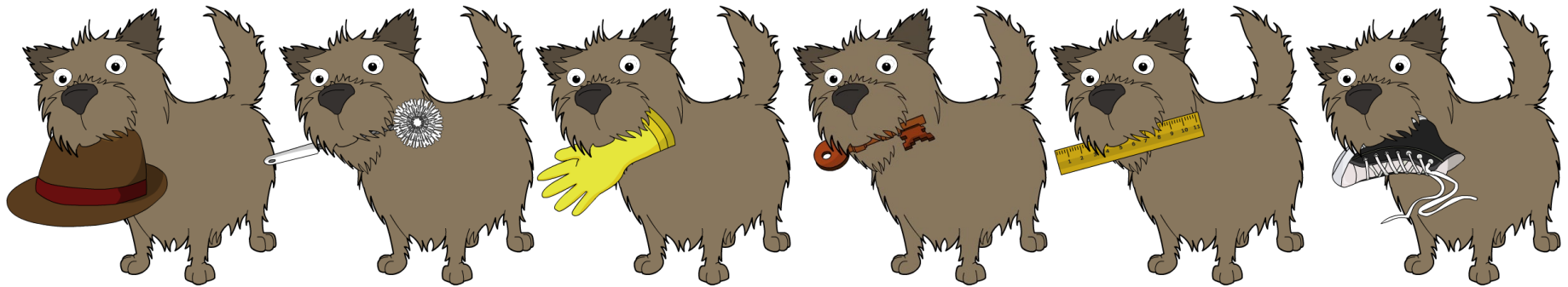


Changing Materials



This is Fuzz. He loves chewing **stuff!**



It doesn't matter **what it's made of** – Fuzz loves chewing it!



Changing materials



Some materials we use occur **naturally**. You can find them in the natural world.



Other materials have to be **made** by humans.



Changing materials



Changing materials

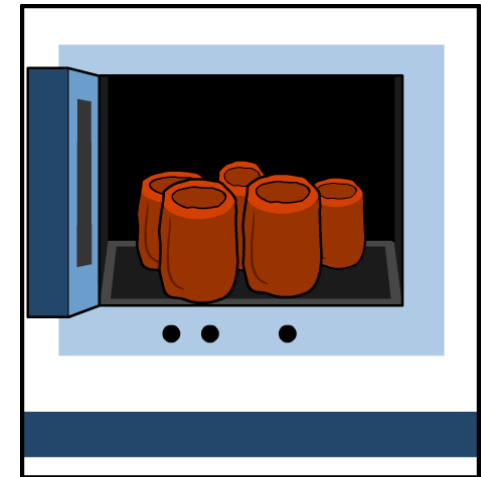
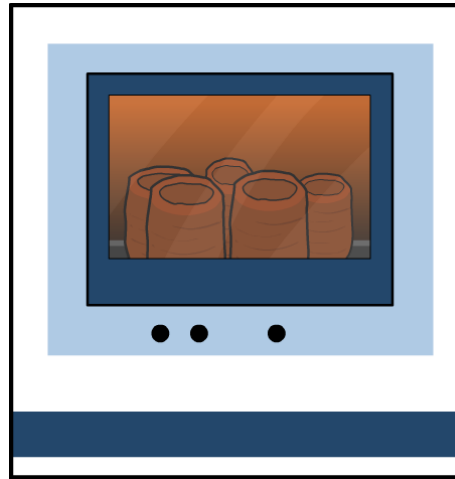
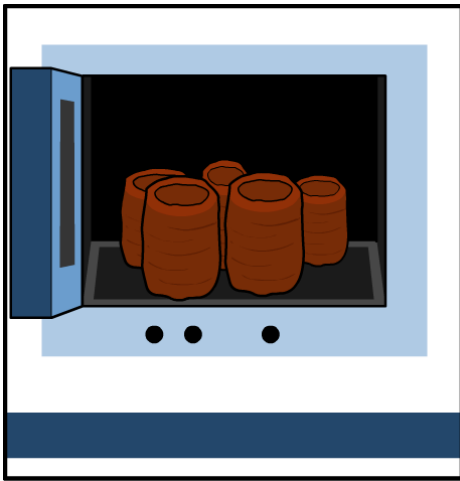
Everything's made out of something, everything's made out of **stuff**. You can change how they look or what they do if you work at them hard enough.

Change it physically, that's easy for you. But a chemical change, you can't undo!



Take a look at how the material, clay, can be changed.

A group of students made pots from **clay**. The clay was soft and easy to **squash** and **bend** and **stretch** and **twist**.



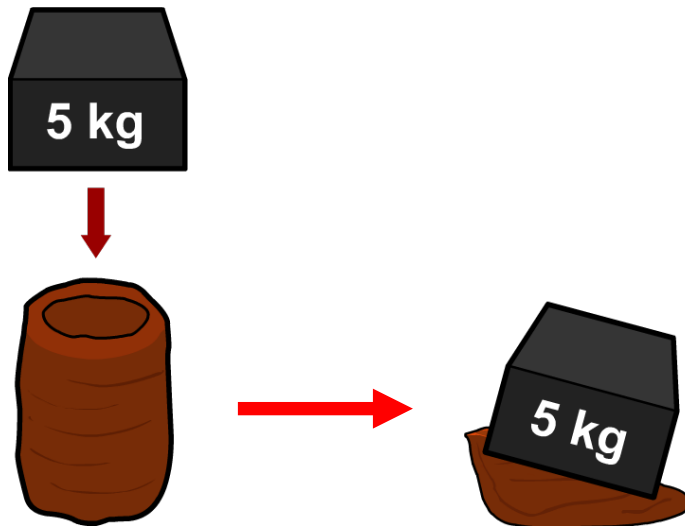
The clay pots are put in a **kiln**. The kiln gets **very hot** and the clay pots are **baked**. When they come out, they have changed!



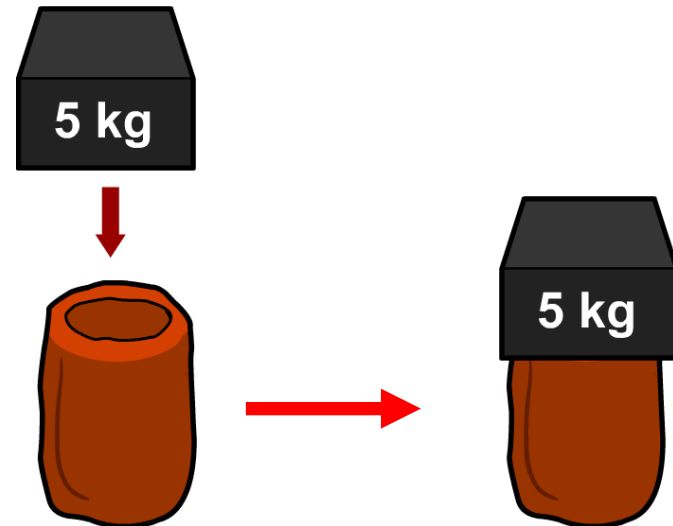
Changing materials

Clay changes when it is **baked** at a hot temperature.
Predict what will happen in some experiments.

wet clay



baked clay



Changing materials

Clay changes when it is **baked** at a hot temperature.
Predict what will happen in some experiments.



wet clay



baked clay



Changing materials



Changing materials



Materials can change by look and feel.

Whether they are wood or clay or steel.

One way to change them is to heat and **bake**.

This works for clay pots and also **CAKE!**

