



## Unit 19 Heat treatment

### Task 04. Fill in the missing words from the box.

softening – heat treatment – properties – chilling – chemical – heating – physical –  
processes – hardening – annealing

Announcer: Listen and note the 5 heat treatment techniques mentioned.

Narrator: Hello everybody. Today we are going to talk about \_\_\_\_\_.  
Heat treatment is a group of industrial and metalworking processes which we  
use to change the \_\_\_\_\_, and sometimes also the \_\_\_\_\_  
properties of a material.  
Heat treatment involves the use of \_\_\_\_\_ or \_\_\_\_\_, normally to  
extreme temperatures, in order to achieve a desired result such as  
\_\_\_\_\_ or \_\_\_\_\_ of a material. Heat treatment techniques  
include \_\_\_\_\_, case hardening, tempering, normalizing and  
quenching.  
We use the term heat treatment only for \_\_\_\_\_ where the heating  
and cooling are done for changing \_\_\_\_\_ on purpose. We don't  
use the term heat treatment when heating and cooling occur during other  
manufacturing processes such as hot forming or welding.