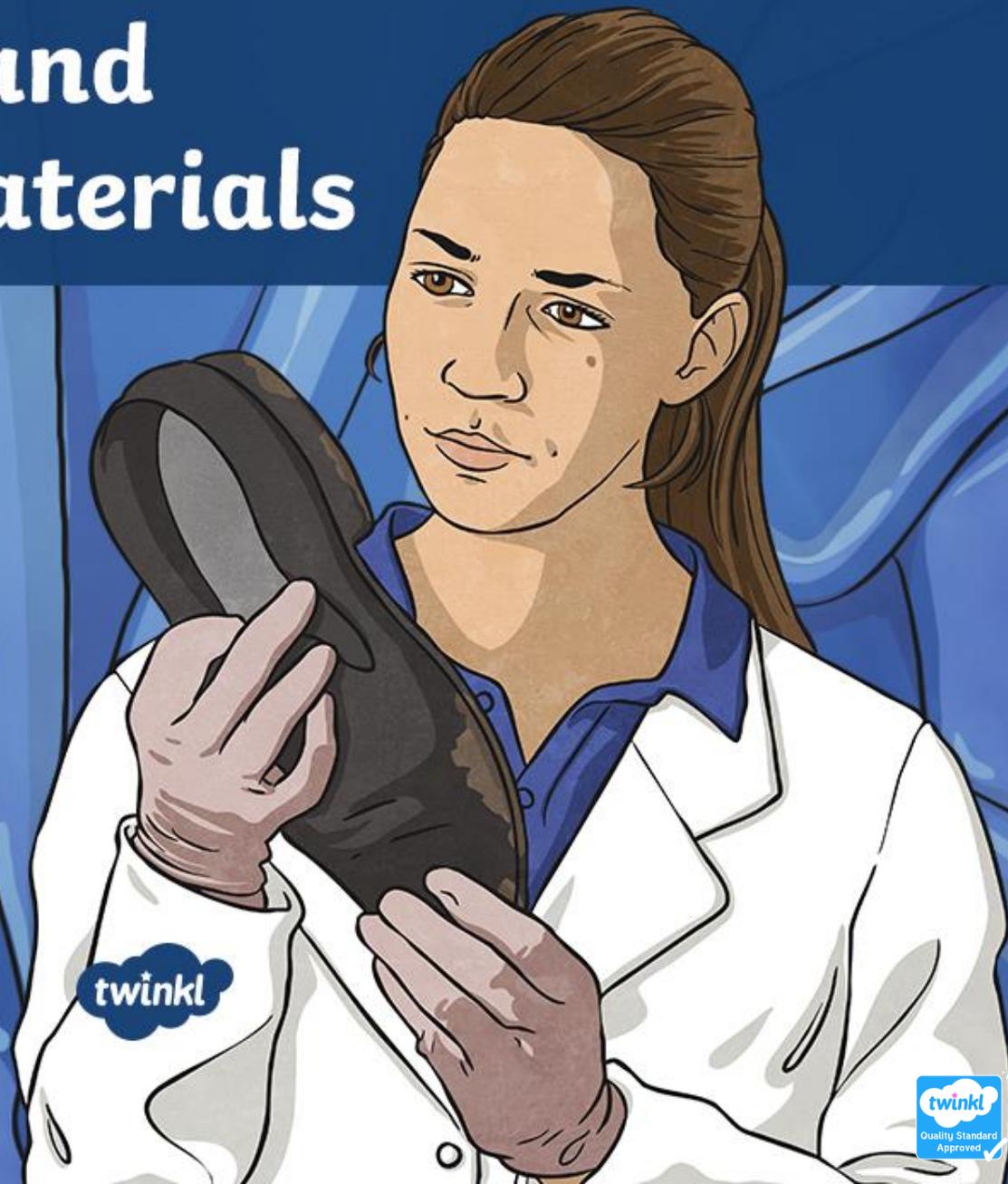


# Comparing and Grouping Materials



# Grouping Materials

Look at these different materials.

Talk to your partner about how you could sort them into groups of similarities.



wood



water



oxygen



glass



tea



pebble



steam



orange juice



plastic

# Grouping Materials

Why do you think the materials have been put into these groups?  
Explain your ideas to your partner.



wood



glass



pebble



plastic



water



orange  
juice



tea



oxygen



steam

# Grouping Materials

The materials were put into groups called solids, liquids and gases. These groups are called states of matter and all materials will be in one of these three states.

Materials are made up of very tiny pieces called particles. Particles are so tiny we can't see them with just our eyes. The way particles are positioned and how they act determines whether a material is a solid, a liquid or a gas.

Click on the word to find out more about each state.

Solid

Liquid

Gas



# Changing States

You can change the state of some materials by heating or cooling them.

