

C6.3.4 Water for drinking C6.2.4 (Combined Science)

How could I make this water safe to drink?



Answer the quiz questions

Learning Objectives

- State what potable means
- List the different sources of potable water
- Describe how water can be made safe to drink

C6.3.4 Water for drinking

TASK 1: Match the key word to the correct meaning. Use your textbook if you're not listening to the video

Key Word

Meaning

Potable
water

A place where large amounts of water is
stored

Chlorine

A rock that contains water

Fresh water

A chemical that is added to water to kill
harmful bacteria

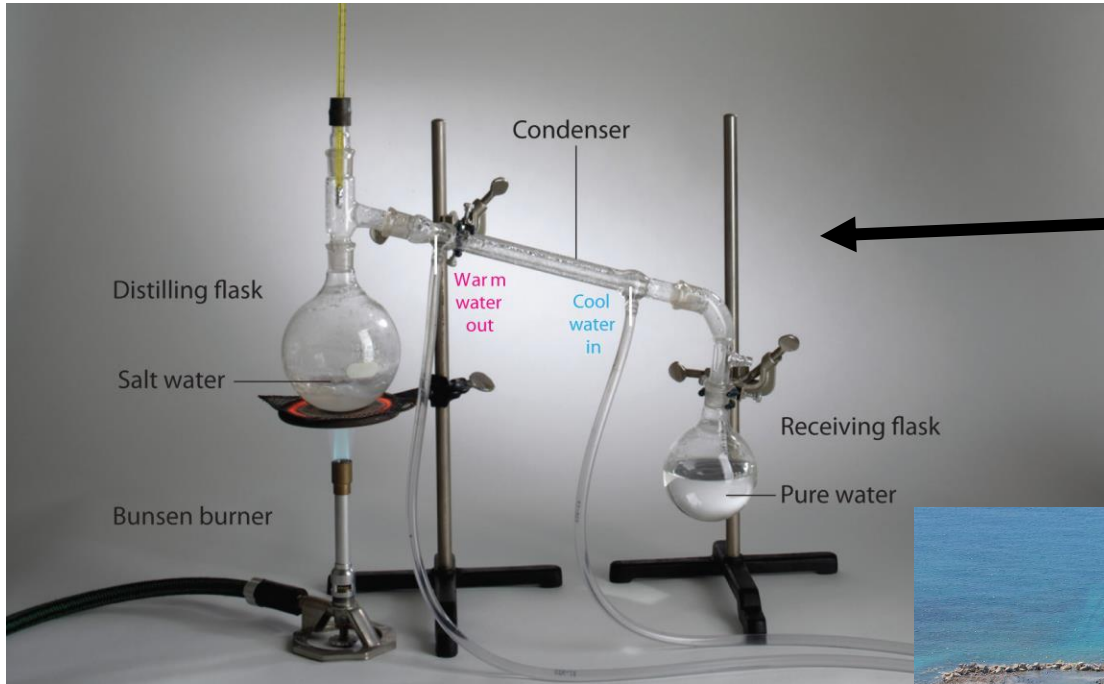
Aquifer

Water that contains low levels of dissolved salts

Reservoir

Water that is safe to drink

Desalination of salt water



Small scale
(School classroom)



Large scale

Problem:

Requires a lot of energy (expensive)

In the UK we have large supplies of fresh water and expensive energy.

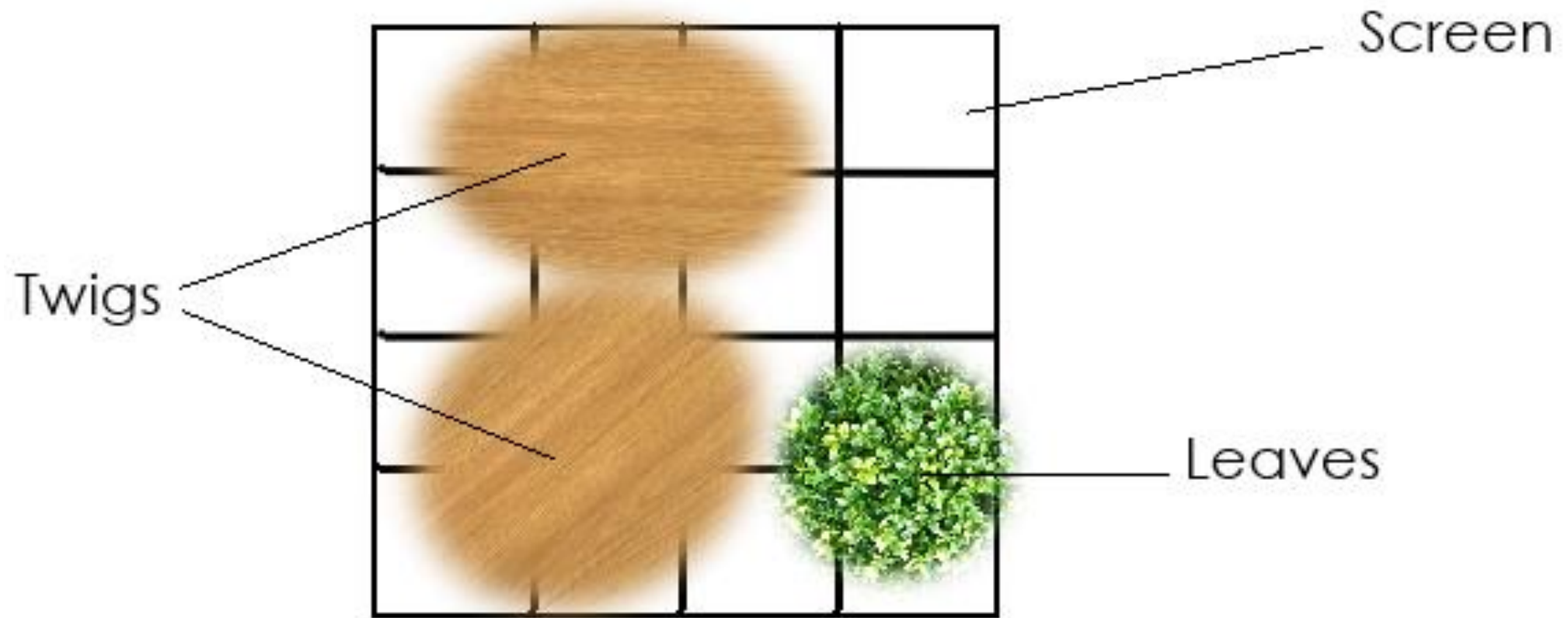
In some countries with less fresh water and cheaper energy it is worth it

In hot countries solar energy can be used

TASK 2: Use the diagrams on the next few slides to fill in this table

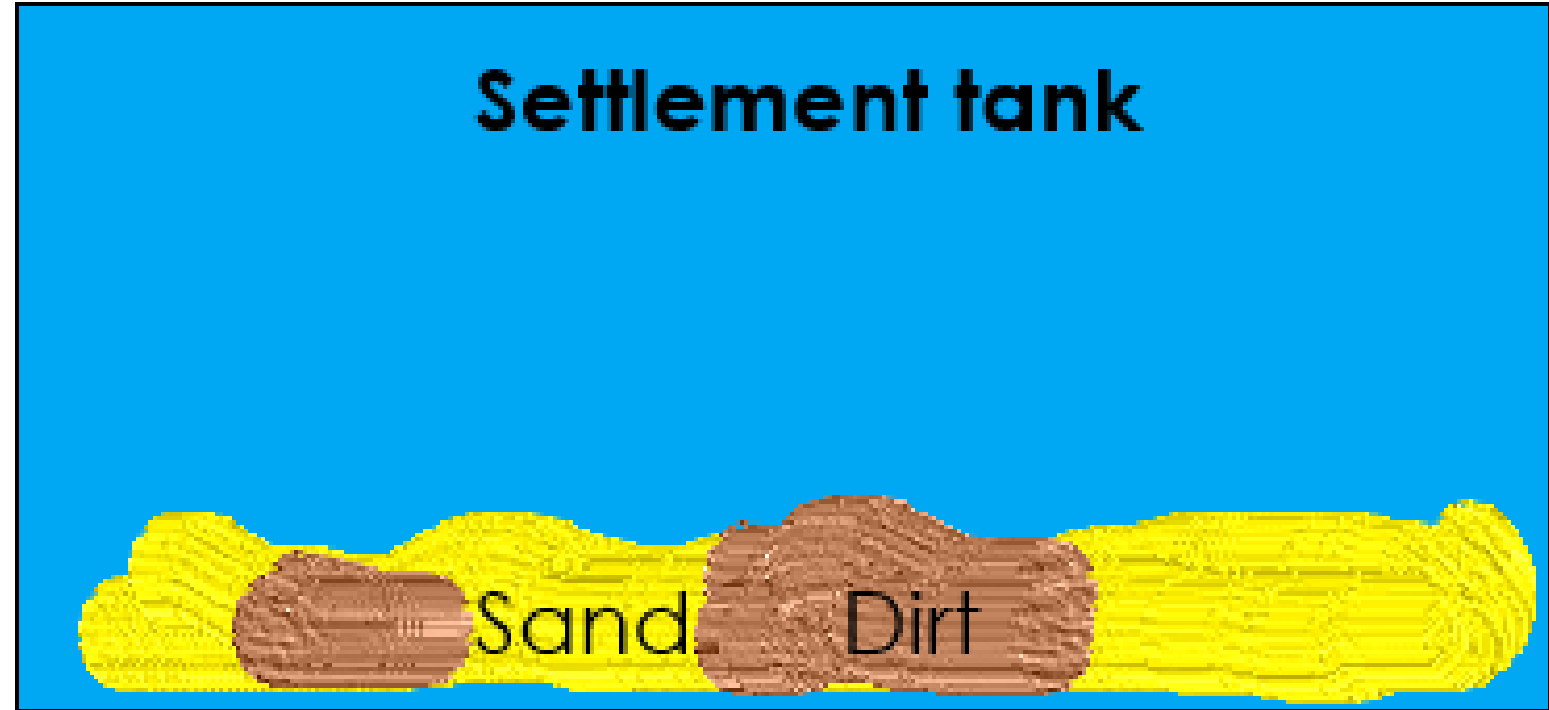
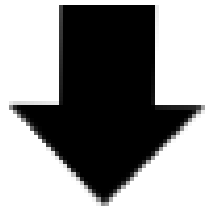
Process	What it does

Process: Screens



Process: Settlement tanks

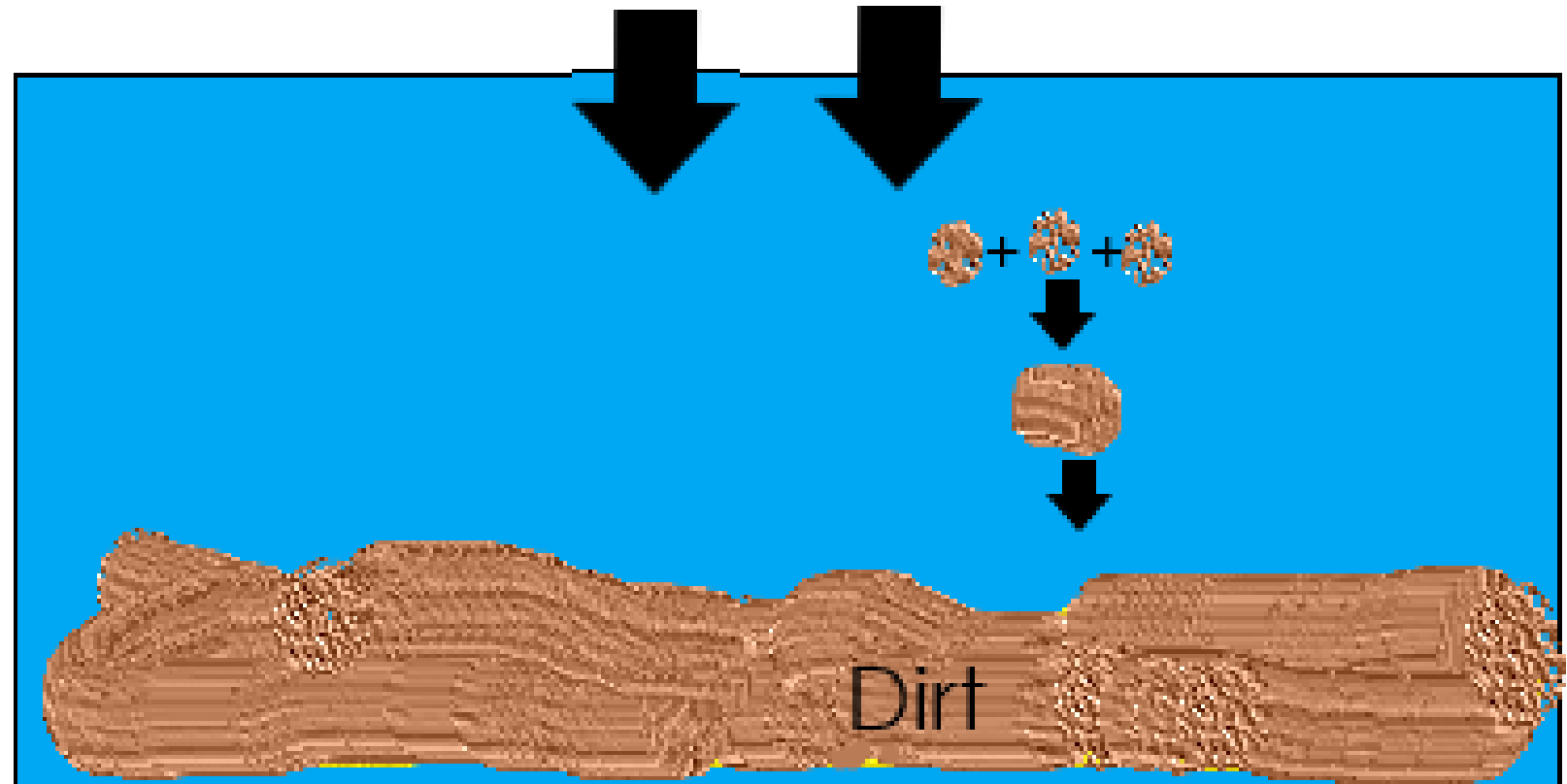
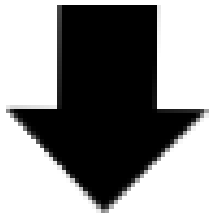
Heavy
objects fall to
the bottom
of the tank



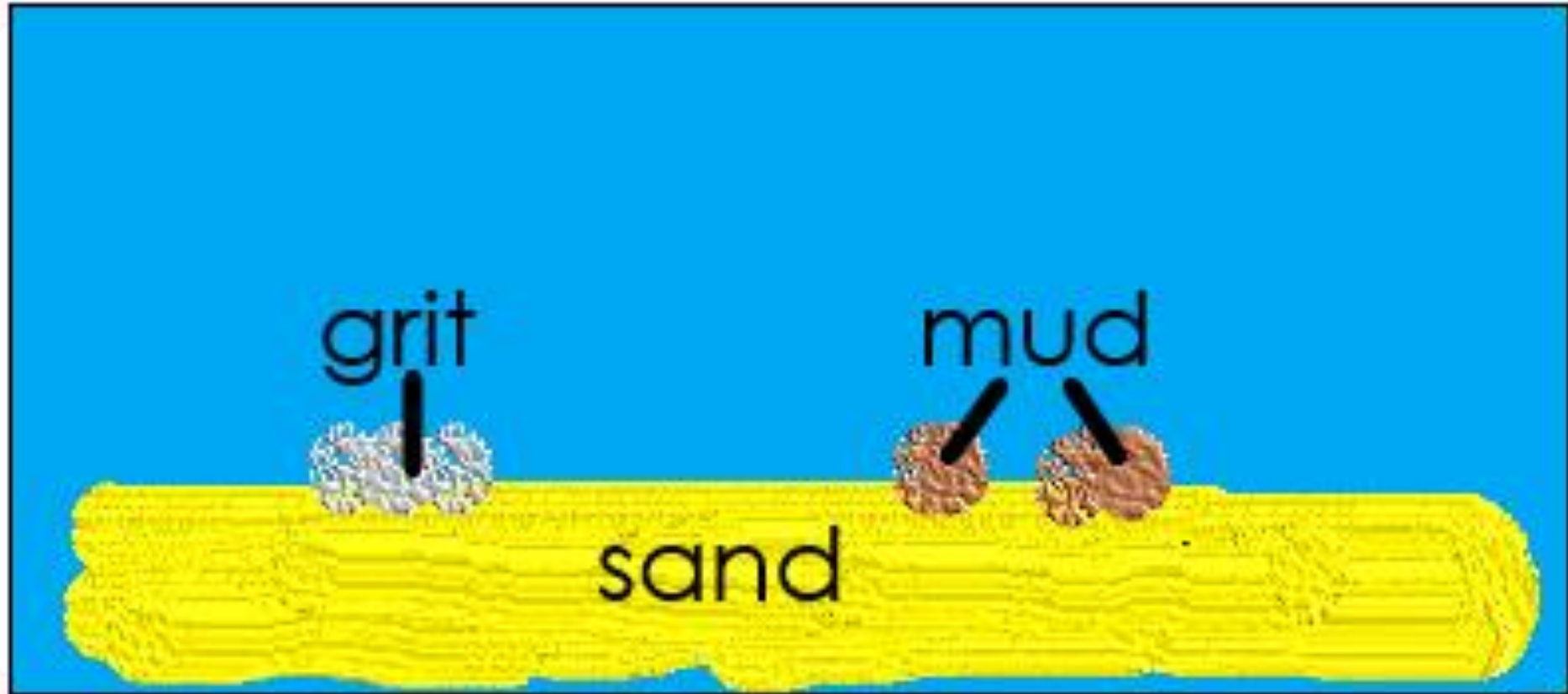
Process: Aluminium sulfate and lime added

aluminium sulfate + lime

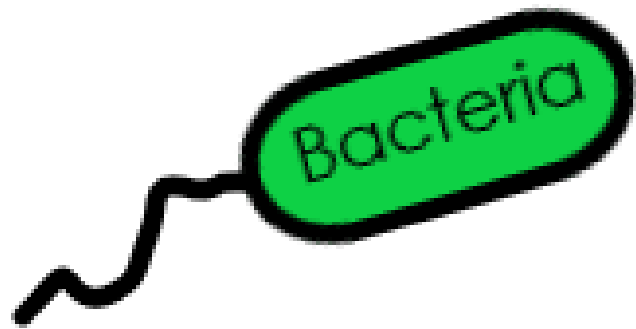
Heavy
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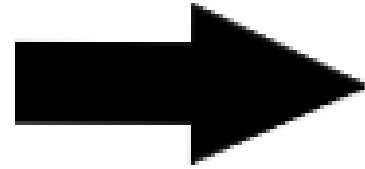
Process: Filtration through fine sand



Process: Chlorine added



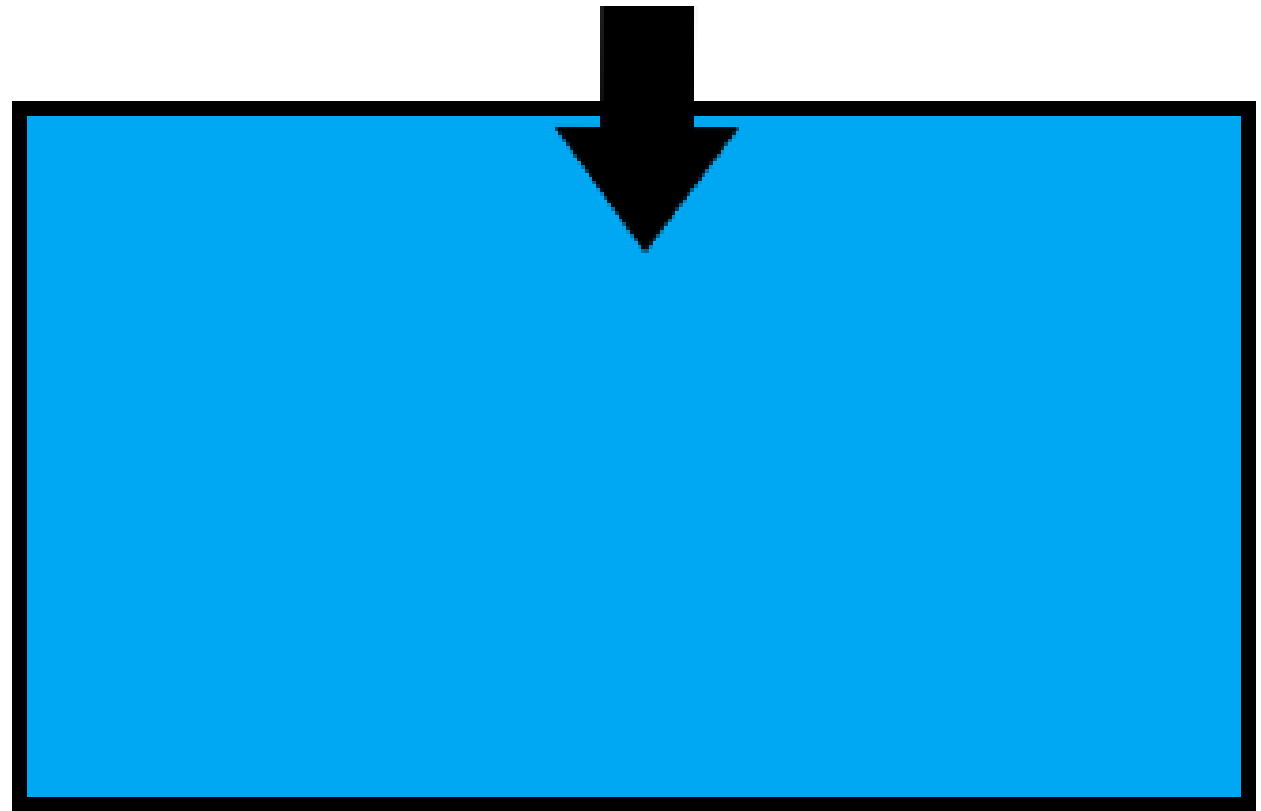
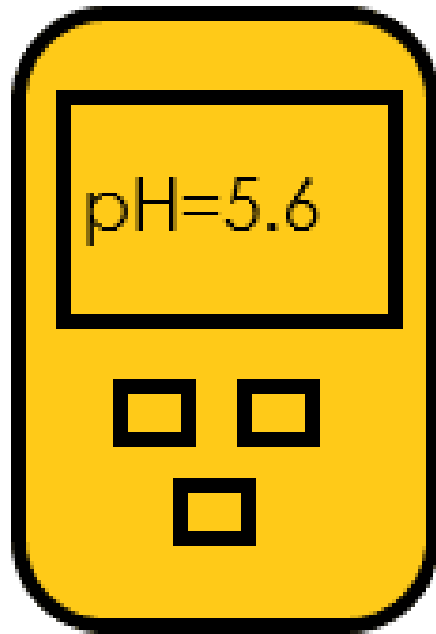
chlorine
added



R.I.P.

Process: Neutralisation

alkali



Answer the quiz questions