

# Making salt from rock salt 2

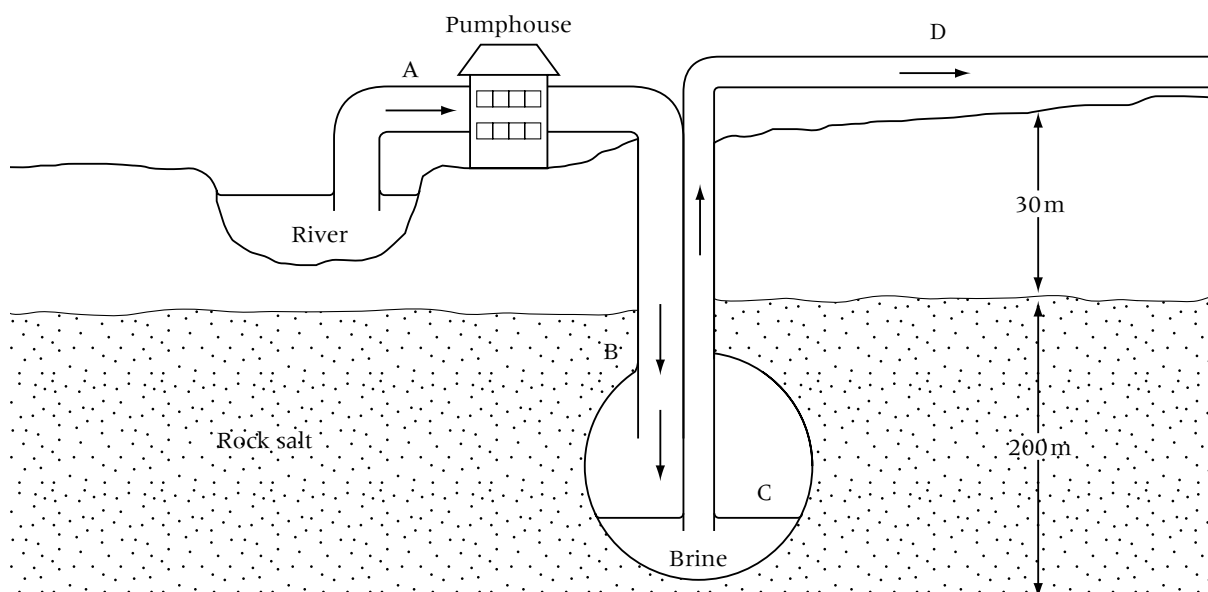
? 1 Pure salt can be made from rock salt in the following stages:

**A** crushing      **B** dissolving      **C** filtering      **D** evaporating

For each stage, explain what happens and why it is done. For instance, for 'crushing' you might write:

*A The rock salt is a mixture of rock and salt. It is crushed to make sure that no salt is trapped inside bits of rocks, and to make the salt dissolve faster when water is added.*

2 This diagram shows one way of getting salt from underground rock salt.



*Not to scale*

At A, water is taken from a nearby river. It is pumped down into the layer of rock salt (B). Salt in the rock dissolves (C) forming brine solution. Brine is pumped up to the surface (D).

- Why is there a large hole in the rock at the end of the water pipe?
- What is brine?
- Salt companies use the brine to make pure salt. What do they have to do to the brine to make salt from it? Explain your answer.
- Which of the four stages at the top of the page take place when salt is made in this way?

## S knowledge