

Understanding the Ice Crystal

Watch the BBC video entitled *Understanding the Ice Crystal* and answer the questions below.

Q1 Which state of matter is a block of ice?

Q2 List two properties of this state of matter.

Q3 How are the particles arranged in the large ice crystals?

Q4 When water changes to ice is this a physical or a chemical change?

Q5 Ice crystals are formed from water. What is this change in state of matter called?

Q6 What is the unusual property of ice?

Q7 What happened when the man banged the bottle of cooled water on the table?

Q8 What does the ice need in order to form a crystal?

Q9 State two ways in which the man can form ice crystals in the bottle of cooled water.

Q10 Explain how ice crystals are formed and why they float on water.
