

# Plankton, pumps and CO<sub>2</sub>

**A Look at the inventions. Which one is the most important and why?**

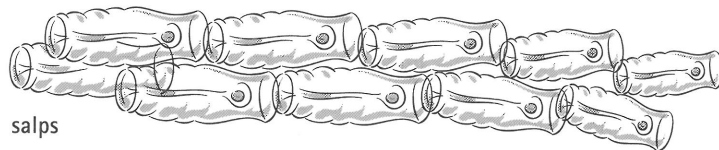
- paper money
- clocks
- the printing press
- cars

**Discuss your choice and reasons with your group. Negotiate and come to a group decision about the most important invention.**

**B Work with your partner to match the words to the definitions.**

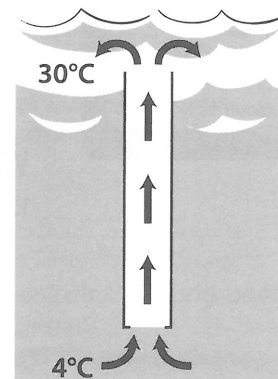
- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1 a pump</li> <li>2 plankton</li> <li>3 to excrete</li> <li>4 pellets</li> <li>5 algae</li> <li>6 nutrients</li> <li>7 a hurricane</li> <li>8 carbon dioxide</li> <li>9 to exploit</li> <li>10 to disable</li> </ol> | <ol style="list-style-type: none"> <li>a any substance which plants or animals need in order to live and grow</li> <li>b the solid waste produced by some animals</li> <li>c to stop something such as a machine from working</li> <li>d very small plants and animals which float on the surface of the sea and on which other animals feed</li> <li>e to use something for advantage</li> <li>f a piece of equipment which is used to cause liquid, air or gas to move from one place to another</li> <li>g the gas formed when carbon is burned or when people or animals breathe out (CO<sub>2</sub>)</li> <li>h very simple, usually small, plants that grow in water and do not have ordinary leaves or roots</li> <li>i to get rid of material such as solid waste from the body</li> <li>j a violent wind which has a circular movement</li> </ol> |
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**C You are going to hear an extract from a science broadcast about ocean pumps. Look at the pictures and read the questions. Then listen to the extract and answer the questions.**



salps

- 1 What environmental problem(s) are ocean pumps designed to solve?
- 2 How do they work?



**D Listen again and circle the correct answers.**

- 1 Ocean pumps could reduce the carbon dioxide in the atmosphere by .....
  - a approximately three times
  - b almost 3 per cent
  - c about 33 per cent
- 2 Salps are .....
  - a a type of plankton
  - b a type of barrel
  - c a type of algae
- 3 The pumps bring ..... to the surface.
  - a salps
  - b nutrients
  - c algae
- 4 The pumps could also .....
  - a increase fish stocks
  - b reduce the fish population
  - c damage the food chain
- 5 The ocean pumps could prevent hurricanes by ..... ocean's temperature.
  - a reducing the deeper
  - b bringing up the upper
  - c bringing down the upper
- 6 The pumps .....
  - a were tested last year
  - b are being tested now
  - c will be tested next year

