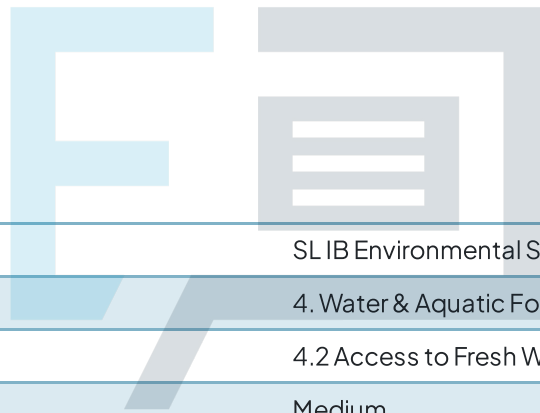




# 4.2 Access to Fresh Water

## Question Paper



Course	SL IB Environmental Systems & Societies (ESS)
Section	4. Water & Aquatic Food Production Systems & Societies
Topic	4.2 Access to Fresh Water
Difficulty	Medium

# Exam Papers Practice

To be used by all students preparing for  
SL IB Environmental Systems & Societies (ESS)  
Students of other boards may also find this useful

### Question 1

Evaluate the sustainability of desalinisation as a water management strategy to improve access to freshwater resources in a society.

[4 marks]

### Question 2a

Describe how the availability of freshwater resources is being impacted by climate change.

[2 marks]

### Question 2b

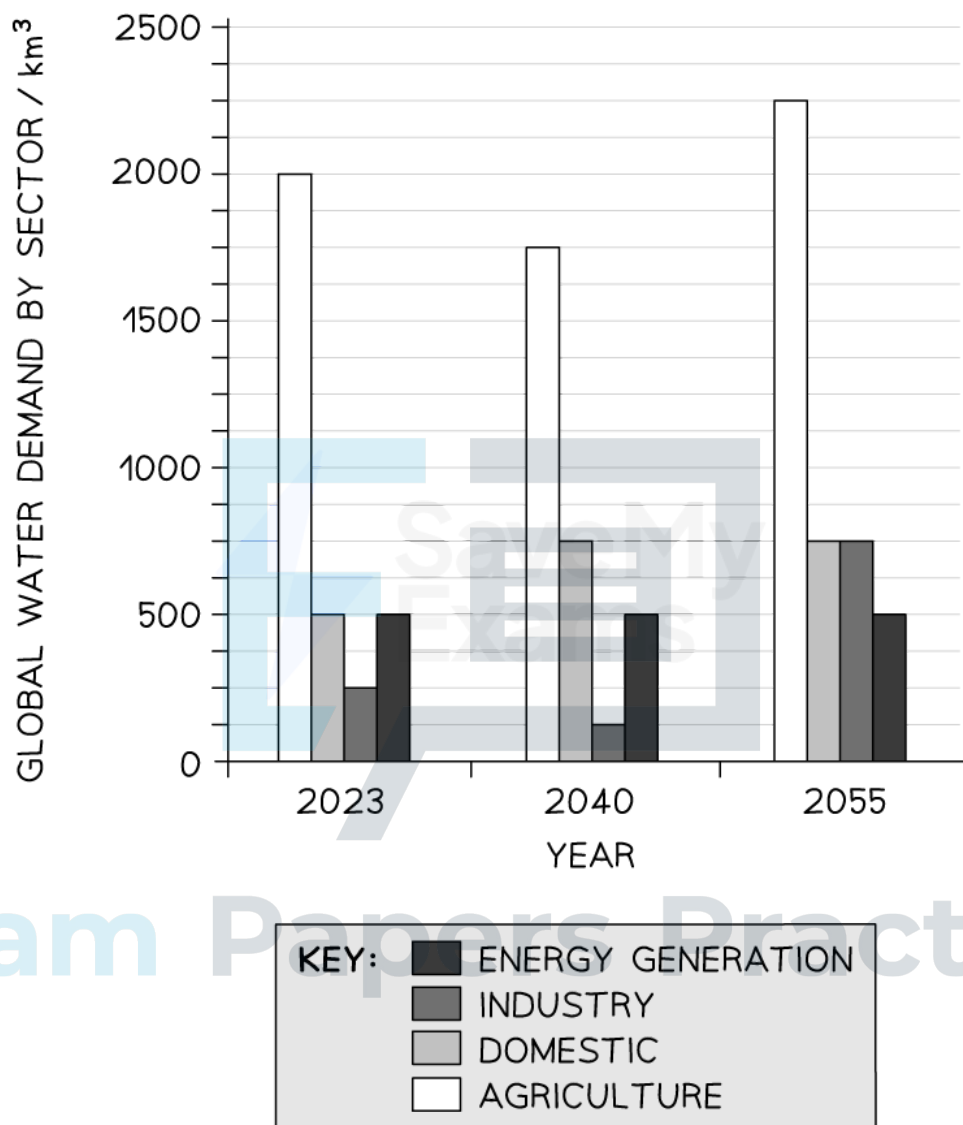
Outline **two** water management strategies, other than desalinisation and rainwater harvesting, that can reduce water scarcity.

[2 marks]

Exam Papers Practice

**Question 3a**

The figure below shows the global water demand by sector for 2023, as well as the projected demands for 2040 and 2055.



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i) Calculate the percentage of water projected to be used for agriculture in 2040, as shown in the figure above.

Show your working.

[2]

ii) State **two** reasons for the projected decrease in the demand for water in agriculture between 2023 and 2040.

[2]

[4 marks]

### Question 3b

- i)  
State the overall trend in total global water demand between 2023 and 2055. [1]
- ii)  
Outline **three** factors contributing to this projected change. [3]

[4 marks]

# Exam Papers Practice

### Question 4a

Explain why conflicts over fresh water are becoming an increasingly frequent occurrence between human populations.

[3 marks]

### Question 4b

Predict how technocentric and ecocentric viewpoints would differ regarding the construction and installation of dams.

[4 marks]



# Exam Papers Practice