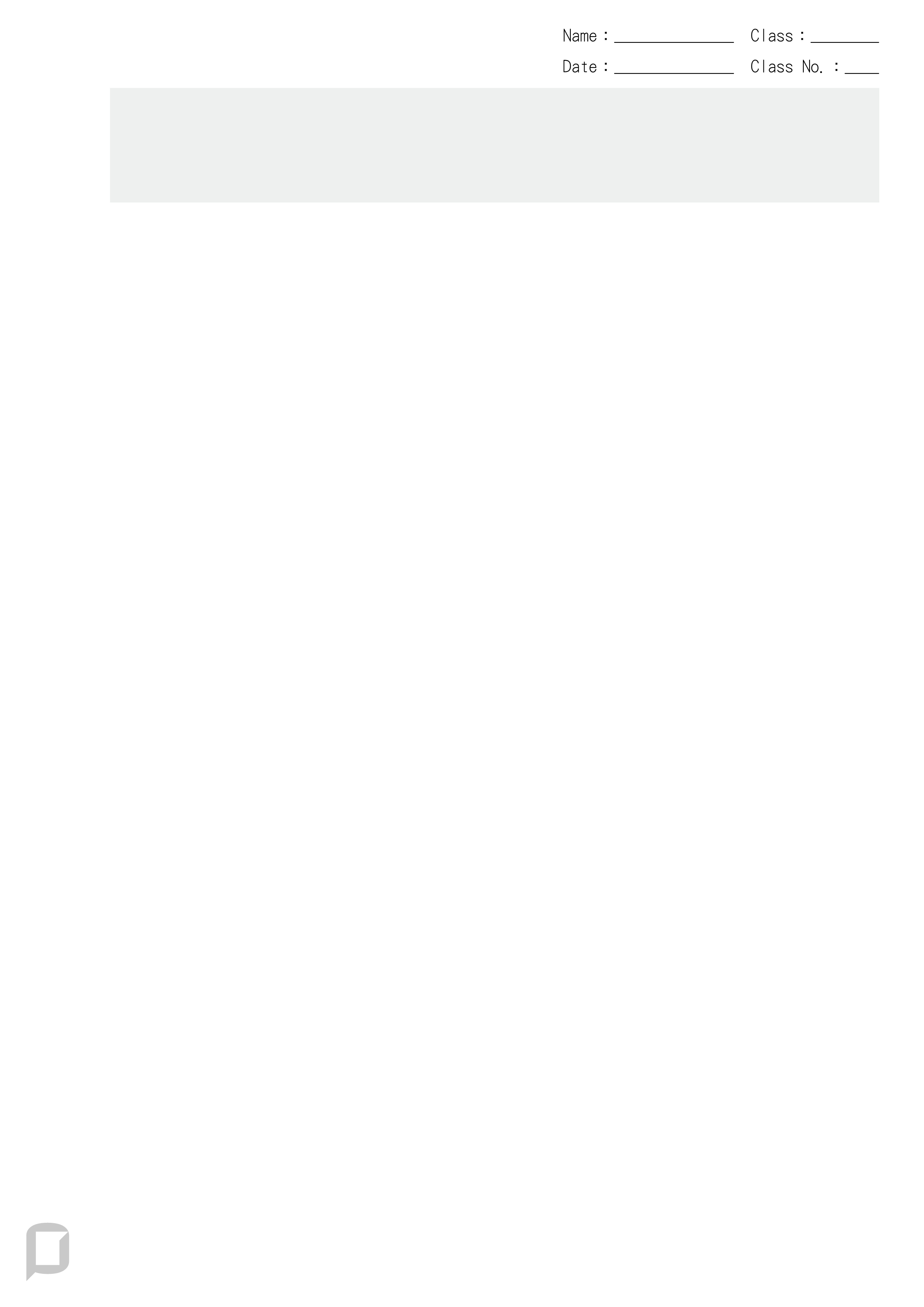
**30. Global Water Crisis and its Solutions**

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Learning objectives:

* Have an overview of the global water use
* Understand the potential problem of water shortage in the future

Overview of the water resources on Earth

　　The water resources on Earth are limited, but the world population is increasing at alarming rates. Also, agricultural and industrial development increases the demand for water, causing the water resources to be used up quicker than it can be replenished, thus threatening the global supply of fresh water. Based on the following data, use different colors to indicate the proportions of water use of the agricultural, industrial and domestic sectors. (One slice = 10%)

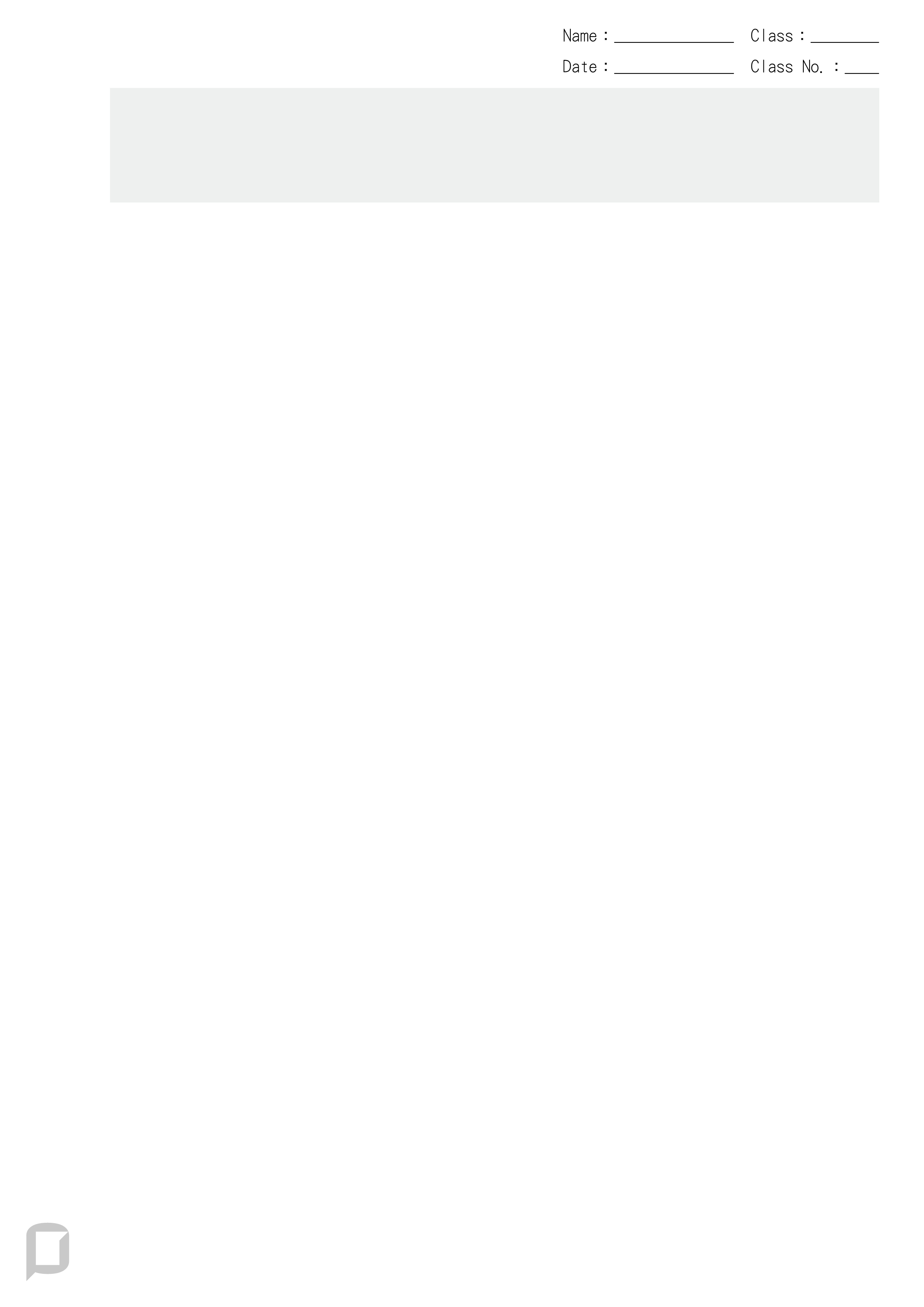
Global distribution of fresh water consumption

|  |  |
| --- | --- |
| Sector | % of global consumption |
| Agricultural | 70% |
| Industral | 20% |
| Domestic | 10% |

　　From the above pie chart, it can be seen that most of the global fresh water resources are used in the agricultural sector. There are over 7 billion people in the world, where 2.1 billion of them do not have access to clean drinking water, and 4.5 billion people are lacking basic hygienic facilities. Besides, it is projected that the world population will rise to 9 billion by 2050, and the demand for food production will have to increase by about 50% to satisfy the needs of such a huge population. In other words, the water needed in agriculture will only increase continuously, further threatening the supply of drinking water.

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The crisis of water shortage will be a global challenge. Humans have to face the problem seriously to prevent the problem from worsening.

**30. Global Water Crisis and its Solutions**

　　　　　　　Learning objectives:

* Cultivate global awareness
* Suggest ways of increasing fresh water resources

Project study

Choose a country or region as the focus of study, and research on the water resources management strategies of that place. Organise your findings in the table below.

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Country/ Region of interest:

|  |  |
| --- | --- |
| Country / Region | Water resources management strategies |
|  |  |

Effectiveness of strategy:

Suggestions to water resources management in Hong Kong:

