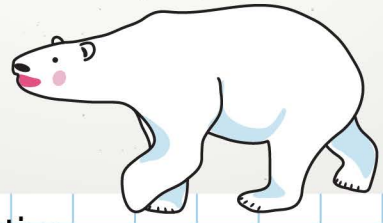


**Work Sheet 5:**  
Control and Mitigation  
on Climate Change:  
On Research Perspectives

How can research and innovation help to mitigate the effects of climate change?



**Research and Innovation at CUHK**

The 'Research and Innovation at CUHK' section describes how scholars at CUHK are pursuing innovative research to confront the challenges of climate change.

**Applying Urban Climatic Information in Urban Planning for a High-density City**

Question 5.1

Demand for housing in Hong Kong is high. Imagine that you are an architect who is planning a housing project. Taking into account the two urban climate models you see here, name two factors that you think can assist the city's sustainable development and briefly explain their advantages and disadvantages. #Hints: Think about building density, construction materials, urban greening and public facilities.

I consider:

	Pros	Cons
Factor 1:		
Factor 2:		

**Renewable Energy**

Question 5.2

Researchers are looking into the potential of solar energy and wind energy in Hong Kong. In the future, how can renewable energy be incorporated into our daily lives? What other kinds of renewable energy can be developed? Be creative. Write down your ideas and explain how they could help to reduce our reliance on fossil fuels.

We could use renewable energy in the following areas:	I recommend that we should develop the following types of renewable energy:
1:	1:
2:	2: