



# **Climate Change**

**While watching the following video,  
make note of:**

**3** Important facts

**2** Things that surprised you

**1** Question that you have

# Climate Change 101 With Bill Nye



# When Climate Change Hits Home



<http://www.lennoxisland.com/>

# Reflection:

What do they mean when they say that Lennox Island may be a “canary in the coal mine” when it comes to climate change?

Why is there cause for concern - for the environment, for people, for cultural heritage?

Why should we care?

# Global Warming: Canada's Melting Glaciers

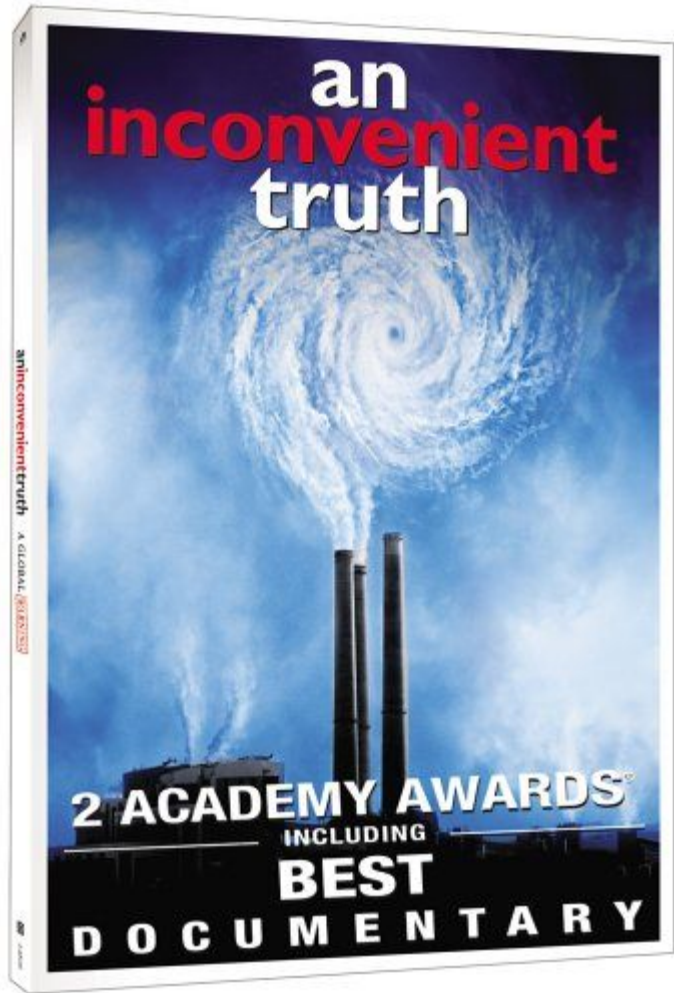


# Reflect on...

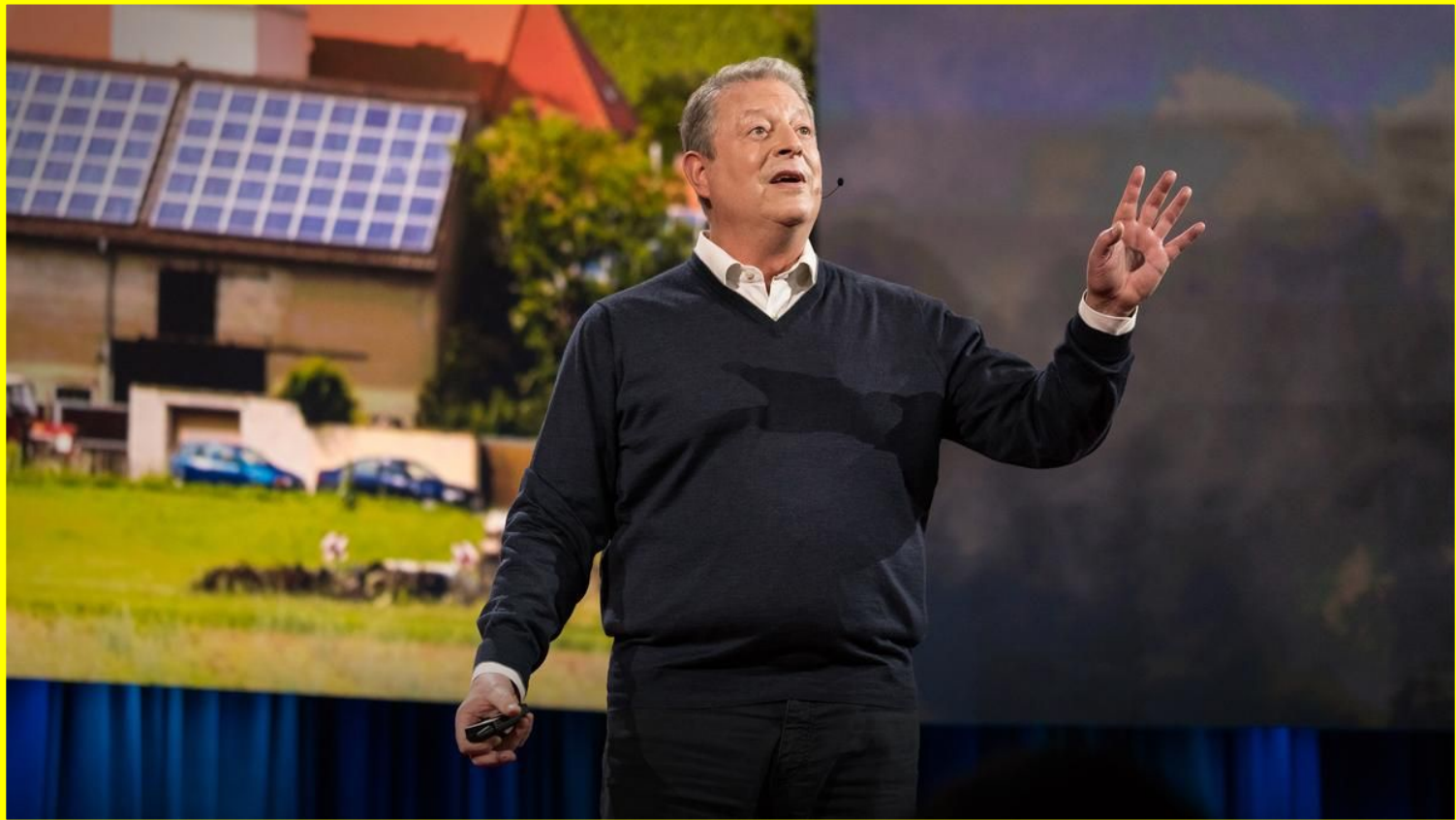
If humans burn all of the available coal, oil and gas currently available, the Antarctic ice sheet will completely melt, causing sea levels to rise by 50 metres — the equivalent height of a 16-storey building. Isolated oceanic islands, coastal cities, towns and villages would find themselves underwater. While the process of melting would take thousands of years (10 000 by some estimates), the direct cause of the melting would be the fossil fuels we burn today because carbon dioxide remains in the atmosphere for hundreds (and, in some cases, thousands) of years after its initial release.

# Question:

Should we worry about the fate of the planet 100 years from now? 1 000 or 10 000 years from now? Why or why not? Where does our responsibility for the planet start and stop?



**A pivotal documentary  
about climate change  
(2006)**



# **Al Gore: The Case for Optimism**

# **Recently in the news...**

[Impact of Rising Sea Levels on Coastal Cities in Canada](#)



**That  
Which  
Once  
Was**