ONTARIO SCIENCE, GRADE 10, ACADEMIC (SNC2D) · UNIT C · 10 QUESTIONS

Earth and Space Science: Climate Change — Practice Test

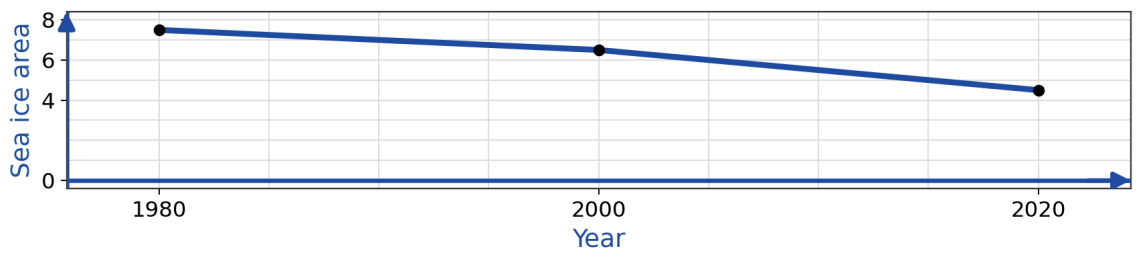
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A carbon price aims to reduce emissions by**

- **A** making polluting activities more expensive than cleaner options
- **B** banning all electricity use
- **C** paying people to burn more coal
- **D** removing all taxes

Understand It with Pulse | Flag a mistake

2 **The graph shows measured Arctic sea ice area over time. The sea ice area in 2000 , in million km², is**



ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Which statement about the Paris Agreement is correct?**

- A It requires more coal burning
- B It is an international agreement to limit global warming
- C It bans all cars immediately
- D It applies only to one country

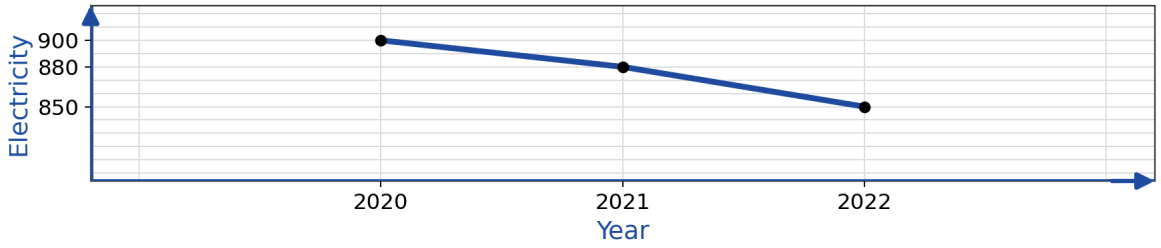
Understand It with Pulse | Flag a mistake

4 **Warmer air can hold more water vapour. A likely consequence is**

- A permanent drought everywhere
- B colder winters everywhere
- C heavier rainfall events in some regions
- D no rain anywhere on Earth

Understand It with Pulse | Flag a mistake

5 **The graph shows measured electricity use at a school over time. The electricity use in 2021 , in units, is**



ANSWER

Understand It with Pulse | Flag a mistake

6 **Which farming practice can reduce greenhouse gas emissions?**

A Clearing forest for more fields

B Burning crop waste every year

C Using more nitrogen fertilizer than needed

D Using cover crops and reducing tillage to keep carbon in soil

Understand It with Pulse | Flag a mistake

7 **Climate models are used to**

A project future climate under different emissions choices

B predict tomorrow weather exactly for every town

C control the weather

D measure ocean depth only

Understand It with Pulse | Flag a mistake

8 **Species shifting their ranges toward cooler regions as temperatures rise is an example of**

A a natural factor only

B a biological effect of climate change

C a cause of climate change

D an initiative to stop warming

Understand It with Pulse | Flag a mistake

9 **Which choice best describes adaptation to climate change?**

A Cutting down a forest

B Ignoring sea level rise

C Building flood defences for a coastal town

D Burning more fossil fuels

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10 **If a region warms by 0.2 degrees Celsius per decade for 5 decades, the total warming, in degrees Celsius, is**

ANSWER _____

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ANSWER KEY

1. A
2. 6.5
3. B
4. C
5. 880
6. D
7. A
8. B
9. C
10. 1

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