NORTHWEST TERRITORIES SCIENCE 10 · NORTHWEST TERRITORIES

Northwest Territories Science 10
Practice Test

Unit C: Energy Conservation and Transformation

10 Questions

Original practice test based on the Northwest Territories curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

Warm air rising above a heater and cool air sinking is heat transfer by

A) convection

B) conduction

C) radiation

D) melting

Understand It with Pulse | Flag a mistake



Question 2

The Sun warms Earth across empty space mainly by

A) conduction

B) convection

C) radiation

D) friction

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Question 3

The fuel used in most nuclear fission power stations is

A) coal

B) uranium

C) hydrogen gas

D) wood

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Question 4

Nuclear fusion requires

A) cold water

B) low pressure

C) darkness

D) very high temperature

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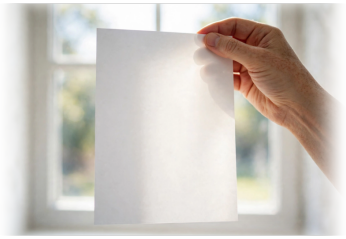

Question 5

Which type of radiation is stopped by a sheet of paper

A) beta

B) gamma

C) X – rays

D) alpha

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Question 6

Gamma rays are best blocked by

A) paper

B) aluminium foil

C) thick lead

D) wood

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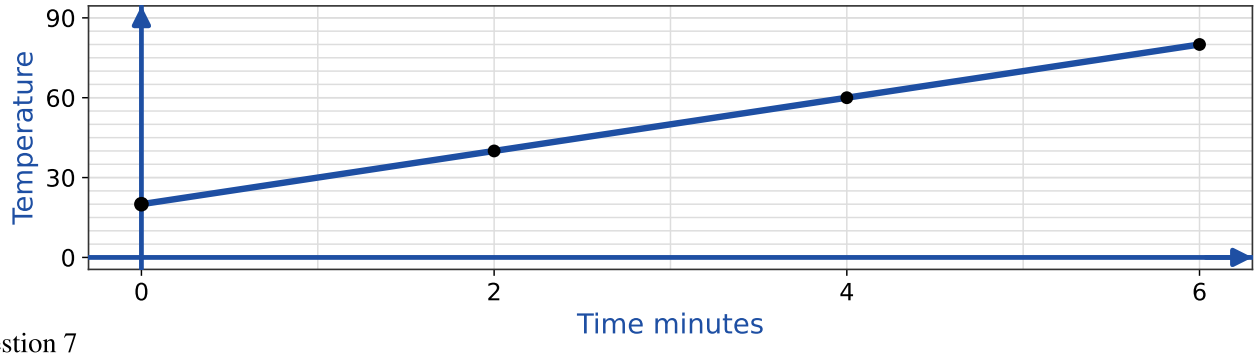

Question 7

The graph shows the temperature of water being heated over time. The temperature at minute 4 is

A) 20

B) 40

C) 60

D) 80

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Question 8

Which energy source produces electricity with very little carbon dioxide

A) wind

B) coal

C) natural gas

D) diesel

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Question 9

A car engine changes energy mainly in the order

A) electrical to light

B) nuclear to light

C) chemical to heat to motion

D) heat to chemical

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Question 10

A household can conserve energy by

A) leaving lights on all day

B) using more heat than needed

C) leaving the fridge door open

D) turning off lights that are not in use

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ANSWER KEY

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

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