YUKON SCIENCE 10 · UNIT C · 10 QUESTIONS

Energy Conservation and Transformation — 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 **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

2 **The Sun warms Earth across empty space mainly by**

A conduction

B convection

C radiation

D friction

Understand It with Pulse | Flag a mistake

3 **The fuel used in most nuclear fission power stations is**

A coal

B uranium

C hydrogen gas

D wood

Understand It with Pulse | Flag a mistake

4 **Nuclear fusion requires**

A cold water

B low pressure

C darkness

D very high temperature

Understand It with Pulse | Flag a mistake

5 **Which type of radiation is stopped by a sheet of paper**

A beta

B gamma

C X-rays

D alpha

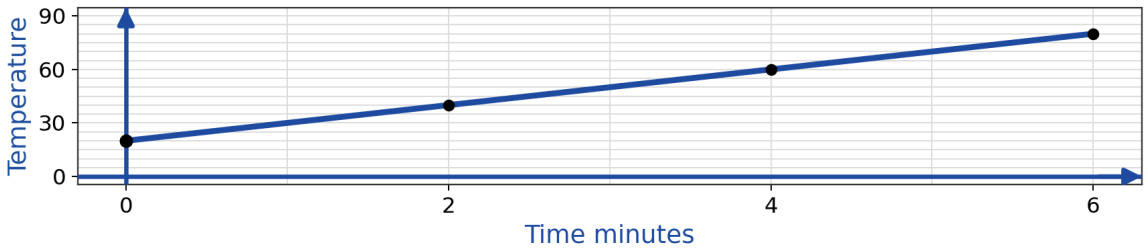
Understand It with Pulse | Flag a mistake

6 **Gamma rays are best blocked by**

- **A** paper
- **B** aluminium foil
- **C** thick lead
- **D** wood

Understand It with Pulse | Flag a mistake

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

Understand It with Pulse | Flag a mistake

8 **Which energy source produces electricity with very little carbon dioxide**

A wind

B coal

C natural gas

D diesel

Understand It with Pulse | Flag a mistake

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

Understand It with Pulse | Flag a mistake

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

Understand It with Pulse | Flag a mistake

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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