SASKATCHEWAN PHYSICAL SCIENCE 20 · UNIT A

Heat — Practice Test

Saskatchewan Physical Science 20 • 10 questions

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 **Water of mass 60 g warms by 25 degrees Celsius . Using c = 4.19 J per gram per degree Celsius , the heat absorbed , in joules , is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Water of mass 180 g warms by 12 degrees Celsius . Using c = 4.19 J per gram per degree Celsius , the heat absorbed , in joules , is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Water of mass 220 g warms by 7 degrees Celsius . Using c = 4.19 J per gram per degree Celsius , the heat absorbed , in joules , is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A sample of mass 150 g has specific heat capacity 0.9 J per gram per degree Celsius and warms by 15 degrees Celsius. The heat absorbed, in joules, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Water of mass 90 g warms by 10 degrees Celsius . Using c = 4.19 J per gram per degree Celsius , the heat absorbed , in joules , is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Water of mass 350 g warms by 4 degrees Celsius . Using c = 4.19 J per gram per degree Celsius , the heat absorbed , in joules , is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Water of mass 140 g warms by 9 degrees Celsius . Using c = 4.19 J per gram per degree Celsius , the heat absorbed , in joules , is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A sample of mass 250 g has specific heat capacity 0.45 J per gram per degree Celsius and warms by 10 degrees Celsius. The heat absorbed, in joules, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Water of mass 110 g warms by 20 degrees Celsius . Using c = 4.19 J per gram per degree Celsius , the heat absorbed , in joules , is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Water of mass 260 g warms by 5 degrees Celsius . Using c = 4.19 J per gram per degree Celsius , the heat absorbed , in joules , is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 6285
2. 9050.4
3. 6452.6
4. 2025
5. 3771
6. 5866
7. 5279.4
8. 1125
9. 9218
10. 5447

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