SASKATCHEWAN PHYSICAL SCIENCE 20 · UNIT A · 5 QUESTIONS

Heat — 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 **Clear plastic semicircular protractor lies flat on a plain white surface, degree markings visible, no people. A sample of mass 100 g has specific heat capacity 0.9 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

2 **A material that does not conduct heat well is called**

A insulator

B heat

C thermal energy

D specific heat capacity

Understand It with Pulse | Flag a mistake

3 **A sample of mass 200 g has specific heat capacity 0.45 J per gram per degree Celsius and warms by 20 degrees Celsius. The heat absorbed, in joules, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A sample of mass 50 g has specific heat capacity 4.19 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

5 **Water of mass 400 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. 900
2. A
3. 1800
4. 2095
5. 8380

© 2026 Brett Robbins. All Rights Reserved.