

Answers to problem bank in page 858 (Matter and Energy)

Matter and Energy

1. $0.069 \text{ J}/(\text{g}\cdot\text{K})$

2. a. $0.410 \text{ J}/(\text{g}\cdot\text{K})$

b. $697 \text{ J} = 700 \text{ J}$

3. $0.901 \text{ J}/(\text{g}\cdot\text{K})$

4. 16.1 J

5. 12.9°C

6. 77 g

7. 200 J