

Phase Change Worksheet – Answer Sheet

- 1) A 12 oz. can of soda weighs about 450 grams. How many joules are released when a can of soda is cooled from 25 degrees Celsius (room temperature) to 4 degrees Celsius (the temperature of a refrigerator). The specific heat of liquid water is 4.184 J/g°C. **39.5 kJ**
- 2) How many joules are required to heat 250 grams of liquid water from 0°C to 100°C ? **104.5 kJ**
- 3) How many joules are required to melt 100 grams of water? The heat of fusion of water is 334 J/g. **33.4 kJ**

Study Guide Phase Changes Answer Key

Y Pai

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