

## 2-1 Practice Problems

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Convert each of the following amounts of energy as indicated. Show all your work.

- 105 J = \_\_\_\_\_ Cal
- 47,500 cal = \_\_\_\_\_ J
- 0.251 kJ = \_\_\_\_\_ kilocalories
- 401 J = \_\_\_\_\_ Cal
- A teaspoon of catsup contains 15 Cal, or \_\_\_\_\_ J.
- A bagel contains \_\_\_\_\_ cal, or 837,000 J.
- A pear contains 100 Cal, or \_\_\_\_\_ J.
- An apple contains \_\_\_\_\_ cal, or 523 kJ.

Solve each of the following problems as directed. Show all your work.

- Bryant consumes 2800 Cal on Monday. One half of these Calories came from his lunch. How many joules of energy did he consume at lunch?
- If there are 4.90 Cal in 10.0 g of parsley, how many joules are in 12.1 g of parsley?