

Energy Conversion Worksheet
Chemistry
2 points

Name: _____

Date: _____ Hour: _____

1. Name three energy units: _____
2. What is a system? _____
3. What are surroundings? _____
4. What is heat? _____

Energy conversion problems:

SHOW YOUR WORK FOR CREDIT!!!

5. Convert 301 Cal to cal.
6. Convert 1002 calories to joules.
7. Convert 45 kJ to J.
8. Convert 2.3 kJ to Cal.
9. Convert 2500 J to kJ.
10. Convert 76 cal to kcal.
11. Energy consumption in the US is about 8.5×10^{18} joules per year. How many Calories is that?