Energy Conversion Worksheet

1. List two units used to measure changes in energy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Fill in the following energy conversion factors:

1 kJ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ J

1 calorie = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ J

1J=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_cal

1 kcal = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ cal

Energy conversion problems:

3. Convert 301 J to cal

4. Convert 1002 calories to joules.

5. Convert 45 kJ to cal.

6. Convert 2.3 kJ to cal.

7. Convert 2500 J to kcal.

8. Convert 76 cal to kJ.