Name_____

How many calories are in a peanut?

If we put a small beaker close to the flame of a burning peanut, and heat a small amount of water, say 100g, we can collect about 30%-50% of the heat from the flame.

It takes 4180 J to raise the temperature of 1kg of water 1 degree.

Finding the mass of half a peanut is a little tricky. Maybe you could measure the mass of 20 halves.

One serving is 28 grams. One Calorie is 1000 Joules. How many calories will this provide for a person? _____ Check this against published info on the web.

Show your data and work

Initial temperature of water _____

Final temperature of water _____

Mass of water _____

Mass of peanut burnt _____

Joules of heat absorbed by water _____

Calories in 28g of peanuts. _____