

MSC Chapter 5 set 2 questions

Heat

1) A sedentary person burns about 1500 kJ per day. Carbohydrates typically have about $1.4 \times 10^3 \text{ kJ kg}^{-1}$. How many kilograms of carbohydrate could a sedentary person eat per day and not gain weight?

ANS _____

2) Eggs have a heat content of about $8.0 \times 10^3 \text{ kJ kg}^{-1}$. How many kilograms of eggs could this person eat?

ANS _____