



Superfluous
Consumption

A direct comparison is made between the chemical energy consumed by eating a snack food and the electrical energy consumed by the appliances.

The result gives the length of time that the energy of a single crisp could power all of the appliances in the room. This time is indicated by the duration in which it appears on the TV screen.

$$\text{Time} = \frac{\text{Energy}}{\text{Power}}$$

Eg. For a Salted Peanut

$$\text{Time} = \frac{16960}{2634} = 6.44 \text{ seconds}$$

For a Ready Salted Crisp the time is 8.42 s

For a Cool Original Dorito the time is 16.24 s

For an Original Hula Hoop the time is 6.62 s

For a Flamin' Hot Monster Munch the time 7.91 s

We consume chemical energy in the form of food in order to function.

Similarly household appliances consume electrical energy to allow them to function.



