

Example Problem

How far could a 68 kg person cycle at 15 km/hr on the energy in one slice of pizza? How far could she walk, at 5 km/hr? How far could she run, at 15 km/hr? Do you notice any trends in the distance values that you've calculated? Chemical energy from food is used for each of these activities. What happens to this energy—that is, in what form does it end up?