Use the words from the box to complete the sentences below.

Joules- energy- 0.001- fuels-food -newtons -1000

The energy that we need every day come from

-food that we eat.

Your body needs food to keep warm, and to keep your body working.

--fuels-------- and ---food------ are stores of energy. Enegy is measured joules or kiljoles.

One kilojoule is --1000---kiljoles-

Here is the energy content of 1g of some different fuels.

|  |  |
| --- | --- |
| Fuel | Energy KJ |
| Coal | 20 |
| Oil | 45 |
| gas | 40 |
| wood | 15 |

Name the fuel that stores the most energy.

oil

Name the fuel that stores the least energy.

wood

Calculate the energy in joules in 1 g of coal.
20 X1000 = 20000J

Calculate the mass of wood that has the same energy as 1 g of oil.

45000

3 a. Explain why your body needs energy even when you are not moving?

Because ur body needs rest

b) Cycling uses 25 kg each minute. Calculate the number of minutes you would need to cycle for use of 100 kj.

4 minutes

c) Explain why children need more energy than they use for the activities that they do each day.

---because they need energy for sleeping and rest and other things----------------------------------------------------