

Daily Average Food Availability



The amount of energy contained in food is measured in calories. There are 4.186 kilojoules (kJ) in 1 calorie. The most commonly accepted measurement of hunger relates to national average food availability. This is measured in kilojoules per person per day (kJ/cap/day). In the 1950s a British geographer named Lord Stamp developed the Standard Nutrition Unit (SNU) and he recommended a figure for the national average food availability of 10 350 kJ/cap/day.

1. For the numbers below, calculate each country's average daily food availability as a percentage of the SNU. (4 marks)

e. g. Canada's national average food availability is 14 576 kJ/cap/day

$$14\,576 \div 10\,350 \times 100 = 140\%$$

2. On a map of the world, construct a positive/negative graded shading map. A bright colour should be used for countries over 100% and a contrasting colour for those countries under 100%. (4 marks)

%	Country	kJ/cap/day	%	Country	kJ/cap/day
_____	Angola	7 564	_____	Iraq	12 085
_____	Austria	14 630	_____	Iran	13 316
_____	Belgium	16 540	_____	Ireland	15 815
_____	Botswana	9 942	_____	Mozambique	7 032
_____	Burundi	8 087	_____	Namibia	8 146
_____	Cuba	13 148	_____	Sierra Leone	7 531
_____	Denmark	15 187	_____	South Africa	13 069
_____	Ethiopia	6 978	_____	United Kingdom	13 182
_____	Gabon	9 975	_____	Zambia	8 694
_____	Haiti	8 426	_____	Zimbabwe	9 624

3. In a short paragraph describe any distribution patterns you may find. Which similar numbers are grouped the way they are and also notice countries that are located close together but have quite different numbers. (7 marks)

