

WHAT CAN WE LEARN FROM AN ENERGY BALANCE?

(Show answers)

Country: Germany

Year: 2016

Source: IEA (2017), *World Energy Statistics and Balances 2017*, www.iea.org/statistics/.

	Answers
1 What is the total energy demand of this country (measured by TPES)?	310 Mtoe
2 How large is the energy demand in this country (measured by TPES) compared to:	
A) World total? (13390 Mtoe in 2016)	2%
B) China? (2983 Mtoe in 2016)	10%
C) Ukraine? (94 Mtoe in 2016)	330%
3 Can the production cover the energy demand of the country (measured by TPES)? ¹	37%
4 What is the energy source most used in this country (measured by TPES)?	Oil
5 What is the share of this energy source in the energy mix (measured by TPES)?	33%
6 Which sector has the largest share in the total final consumption (TFC)?	Transport, 25%
7 Which sectors are the biggest consumers of natural gas?	Residential, 40%
8 What is the main source for electricity in the country? ²	Coal (42%)

Notes:

1 Calculate the energy self-sufficiency ratio (production divided by TPES)

2 Largest share of the electricity output