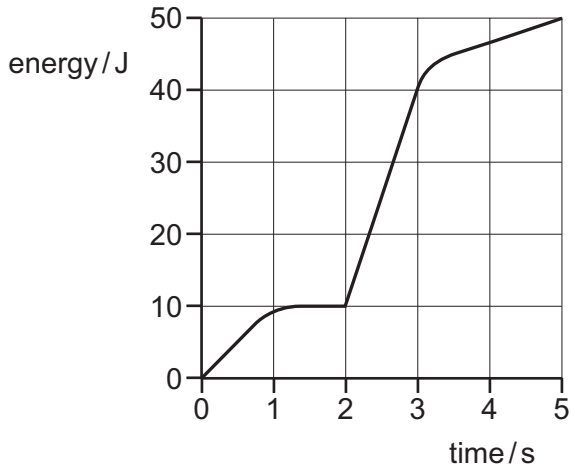
19 An electrical generator is started at time zero. The total electrical energy generated during the first 5 seconds is shown in the graph.



What is the maximum electrical power generated at any instant during these first 5 seconds?

A 10 W **B** 13 W **C** 30 W **D** 50 W

20 Gold has a density of 19.3 g cm^{-3}.

The volume occupied by a single atom of gold may be considered to be a cube with sides of length 2.6×10^{-8} cm.

What is the mass of a gold atom?

A 3.4×10^{-25} g

B 3.4×10^{-22} g

C 1.3×10^{-17} g

D 1.3×10^{-14} g

Space for working