

**4** A wave has a frequency of 5 GHz.

What is the period of the wave?

**A**  $20\,000\,\mu\text{s}$

**B**  $20\,\text{ns}$

**C**  $2\,\text{ns}$

**D**  $200\,\text{ps}$

**E** In an experiment to determine the acceleration of free fall  $g$ , the period of oscillation  $T$  and length