

1 A sheet of gold leaf has a thickness of  $0.125\text{ }\mu\text{m}$ . A gold atom has a radius of  $174\text{ pm}$ .

Approximately how many layers of atoms are there in the sheet?

**A** 4

**B** 7

**C** 400

**D** 700

2 The drag coefficient  $C$  is a number with no units. It is used to compare the drag on different cars.