

Answer **all** the questions in the spaces provided.

For  
Examiner's  
Use

**1** Make estimates of the following quantities.

**(a)** the speed of sound in air

speed = ..... [1]

**(b)** the density of air at room temperature and pressure

density = ..... [1]

**(c)** the mass of a protractor

mass = ..... [1]

**(d)** the volume, in  $\text{cm}^3$ , of the head of an adult person

volume = .....  $\text{cm}^3$  [1]