

GCSE Physics A (Gateway)

J249/04 Physics A P5-P8 and P9 (Higher Tier)

Question Set 12

1*

The Earth contains a crust, mantle and core as shown in **Fig. 1.1**.

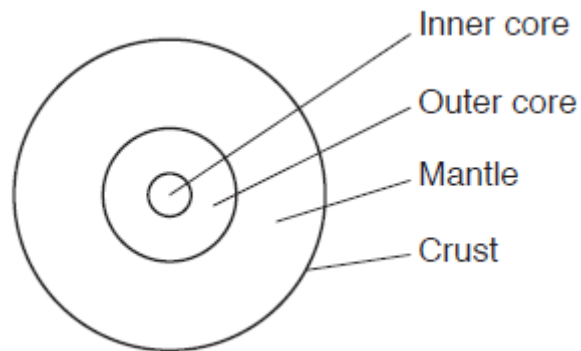


Fig. 1.1

Table 1.1 gives some data about seismic waves and the Earth.

	Density (g/cm ³)	P wave speed (km/s)	S wave speed (km/s)
Top of crust	2.2	5.55	3.25
Top of mantle	3.4	7.97	4.55
Top of outer core	9.9	8.10	-
Bottom of outer core	12.2	10.30	-

Table 1.1

Describe what information the data in **Table 1.1** gives about the structure of the Earth.

In your answer you should explain any trends in the data in **Table 1.1**.

[6]

Total Marks for Question Set 12: 6

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