•	A schematic representation of a <i>p</i> orbital is shown below. The central sphere (mostly obscured) represents the atomic nucleus.		
	How many spherical and planar nodes does this orbital have? Label them on the diagram above.		
	Number of spherical nodes:	Number of planar nodes:	
	What is the principal quantum number, <i>n</i> , of this orbital? Explain your answer.		
•	Shielding is important in multi-electron atoms. Briefly explain the concept of shielding.		3
F	Give one example of a consequence of shielding.		