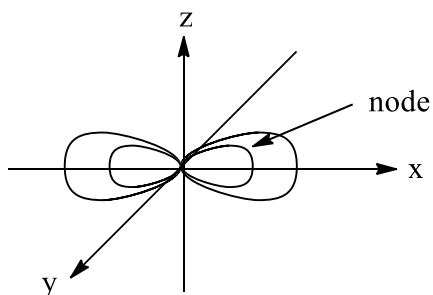
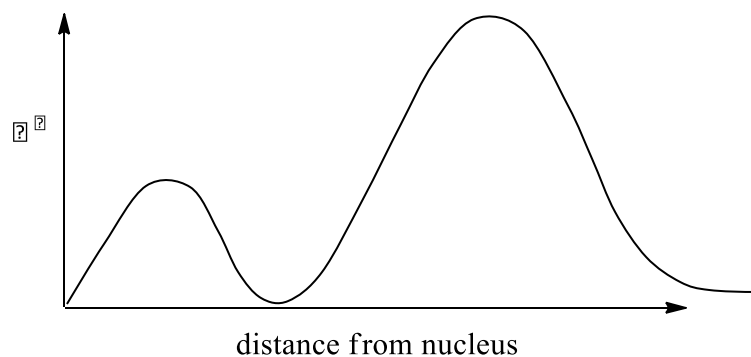


- Sketch the shape of a $3p_x$ orbital.

Marks
4



Sketch the radial probability (ψ^2) of an electron in a $3p_x$ orbital.



Sketch the shape of the σ orbital formed by overlap of a $3p_x$ orbital and an s orbital. Clearly show the position of the two nuclei.

