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 $\Delta a = 2.54\pi$ 2nd point: $\Delta a = 3\pi$ Then $E_5 = 9.704 \text{ eV}$ $E_6 = 13.537$ so $\Delta E = 3.83 \text{ eV}$ (d) $3\pi < ka < 4\pi$ 1st point: $\Delta a = 3.44\pi$ 2nd point: $\Delta a = 4\pi$ Then $E_7 = 17.799 \text{ eV}$ $E_8 = 24.066 \text{ eV}$ so $\Delta E = 6.27 \text{ eV}$

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