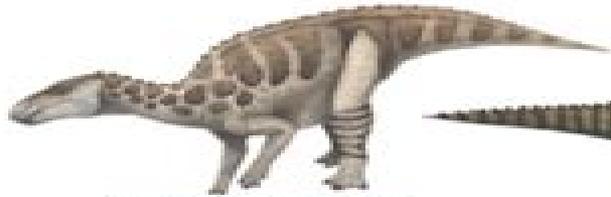
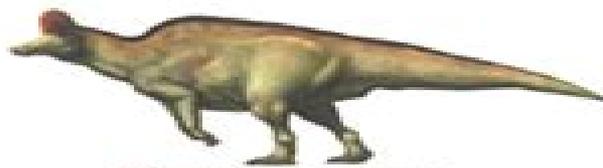


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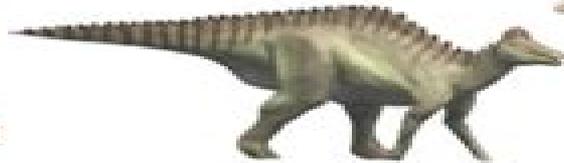
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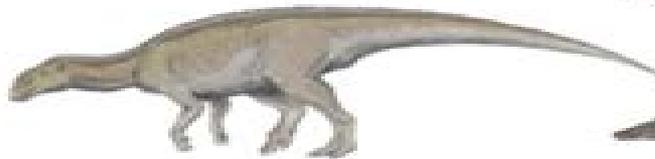
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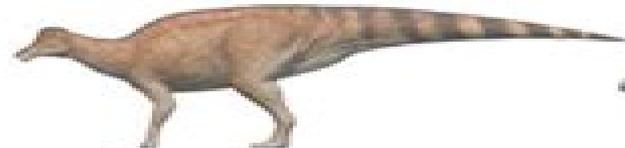
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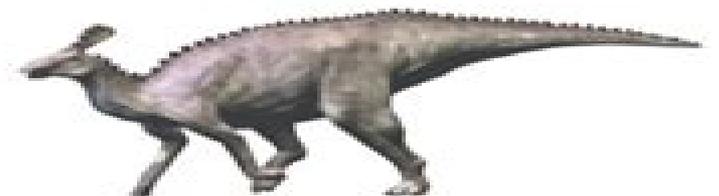
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web solution for a refrigerator cop low t high t low solve for the hot side temperature 45 c low 273 high t low cop 10 45 c 273 250 8k answer is a 2 helium

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web question 1 what is true of isothermal process a  $\Delta t = 0$  b  $\Delta u = 0$  c  $\Delta q = \Delta w$  d pv constants solution in an isothermal process temperature remains constant  $\Delta t = 0$  since internal energy depends on the temperature  $\Delta u = 0$  from first law of thermodynamics  $\Delta u = \Delta q - \Delta w$  since  $\Delta u = 0$   $\Delta q = \Delta w$  also pv nrt as t is constant pv