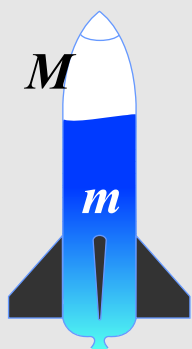


ΑΡΧΙΚΑ

ΤΕΛΙΚΑ



Φυσική Β' Λυκείου

ΘΕΤΙΚΟΥ ΠΡΟΣ/ΜΟΥ

ΠΕΙΡΑΜΑ

WATER ROCKET
Α.Δ.Ο.

$$\vec{p}_{\text{ΟΛΙΚΟ}}^{\text{αρχ.}} = \vec{p}_{\text{ΟΛΙΚΟ}}^{\text{τελ.}} \Rightarrow \vec{p}_m + \vec{p}_M = \vec{p}'_m + \vec{p}'_M \Rightarrow$$

$$\Rightarrow m \cdot 0 + M \cdot 0 = m \cdot \vec{v} + M \cdot \vec{V} \Rightarrow$$

$$\Rightarrow 0 = m \cdot \vec{v} + M \cdot \vec{V} \Rightarrow M \cdot \vec{V} = -m \cdot \vec{v} \Rightarrow$$

$$\Rightarrow \vec{V} = -\frac{m}{M} \vec{v} \Rightarrow V = \frac{m}{M} v \text{ \& } \vec{V} \uparrow \downarrow \vec{v}$$

με αέρα...

με νερό...

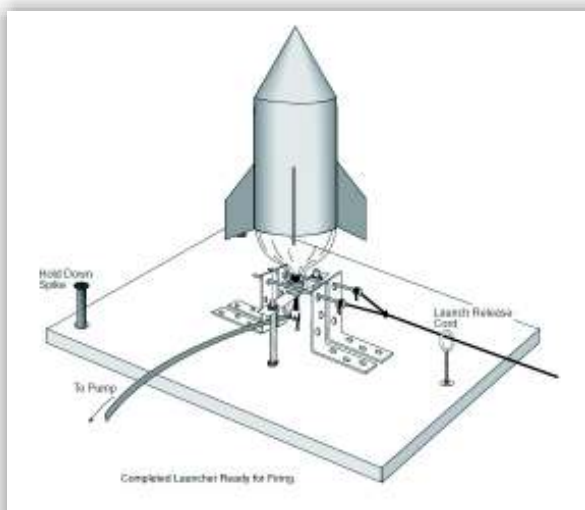
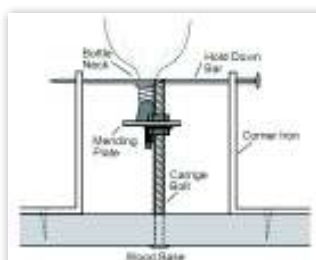
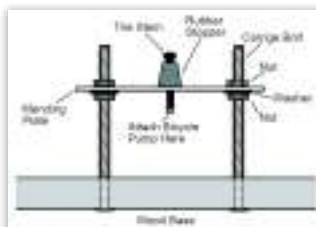
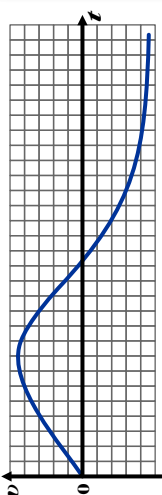
$$V = \frac{m}{M} v$$

$$V = \frac{m}{M} v$$



<https://www.youtube.com/watch?v=5NJweDi4AuA>

<https://www.youtube.com/watch?v=XH1HNPI4OvA>



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