

92047MR



Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Te Pūtaiao ā-Ahupūngao, ā-Nuku, ā-Tuarangi, Kaupae 1, 2025

Ngā whiwhinga: E rima

TE PUKAPUKA RAUEMI

Tirohia tēnei pukapuka hei whakaoti i ngā tūmahi mō Te Pūtaiao ā-Ahupūngao, ā-Nuku, ā-Tuarangi 92047M.

Tirohia kia kitea ai kua tāngia he kōrero ki te whārangi 2 me te whārangi 3.

E ĀHEI ANA TŌ PUPURI KI TĒNEI PUKAPUKA HEI TE MUTUNGA O TE WHAKAMĀTAUTAU.

Ka whai hua pea ki a koe ngā ture tātai e whai ake nei.

$$\Delta E = Pt$$

$$E_k = \frac{1}{2}mv^2$$

$$E_p = mg\Delta h$$

$$W = Fd$$

$$E_{\text{pōkākā}} = mc\Delta T$$

$$E_{\text{pōkākā}} = mL$$

$$P = VI$$

$$V = IR$$

$$g = 10 \text{ N kg}^{-1}$$

You may find the following formulae useful.

$$\Delta E = Pt$$

$$E_{\text{k}} = \frac{1}{2}mv^2$$

$$E_{\text{p}} = mg\Delta h$$

$$W = Fd$$

$$E_{\text{thermal}} = mc\Delta T$$

$$E_{\text{thermal}} = mL$$

$$P = VI$$

$$V = IR$$

$$g = 10 \text{ N kg}^{-1}$$

English translation of the wording on the front cover



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Level 1 Physics, Earth and Space Science 2025

Credits: Five

RESOURCE BOOKLET

Refer to this booklet to answer the questions in Physics, Earth and Space Science 92047M.

Check that this booklet is printed on pages 2 and 3.

YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.