See back cover for an English translation of this cover.

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92047MR

Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Te Pūtaiao ā-Ahupūngao, ā-Nuku, ā-Tuarangi, Kaupae 1, 2024

Ngā whiwhinga: E rima

TE PUKAPUKA RAUEMI

Tirohia tēnei pukapuka hei whakaoti i ngā tūmahi kei tō Pukapuka Tūmahi.

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

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

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

$$\Delta E = Pt \qquad E_{\mathrm{k}} = \frac{1}{2}mv^2$$

$$E_{\mathrm{p}} = mg\Delta h \qquad W = Fd$$

$$E_{\mathrm{thermal}} = mc\Delta t \qquad E_{\mathrm{thermal}} = mL$$

$$P = VI \qquad V = IR$$

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

You may find the following formulae useful.

$$\Delta E = Pt \qquad E_{\mathrm{k}} = \frac{1}{2}mv^2$$

$$E_{\mathrm{p}} = mg\Delta h \qquad W = Fd$$

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$$P = VI \qquad V = IR$$

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English translation of the wording on the front cover

92047MR

Level 1 Physics, Earth and Space Science 2024

Credits: Five

RESOURCE BOOKLET

Refer to this booklet to answer the questions in your Question and Answer Booklet.

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

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