

1 (a) Newton's law of gravitation applies to point masses.

- (i) State Newton's law of gravitation.

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[2]

- (ii) Explain why, although the planets and the Sun are not point masses, the law also applies to planets orbiting the Sun.

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[1]

- (b) Gravitational fields and electric fields show certain similarities and certain differences.  
State one aspect of gravitational and electric fields where there is

- (i) a similarity,

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[1]

- (ii) a difference.

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[2]