

Answer **all** the questions in the spaces provided.

- 1 (a) Use the definition of work done to show that the SI base units of energy are $\text{kg m}^2\text{s}^{-2}$.

[2]

- (b) Define potential difference.

.....
..... [1]

- (c) Determine the SI base units of resistance. Show your working.

units [3]