

Note's On : Work & Power

Complete these notes by adding the missing information using Chapter 7 in our textbook and the energy notes posted on our website: deciccophysics.weebly.com. Leave gray cells blank. Write a 1-3 sentence summary of work.

Solve the sample problems from our notes on the back of this page. **SHOW ALL WORK**

| Term | Details/Definition/Examples |
|-------------------|--|
| Work | The _____ of the force on an object and the _____ through which the _____ moves |
| | The force must be _____ in the same direction or the _____ direction of the distance to do any work |
| | Example: a _____ carrying a tray does no work because the force is _____ to the distance he is _____ |
| | |
| Formula for Work | $W = \underline{\hspace{1cm}} \times d$ (_____ = force x _____) |
| | |
| Units of Work | _____ is measured in _____ (J) |
| | |
| Power | The rate at which work gets done |
| | |
| Formula for Power | $P = W/t$ (_____ = Work / _____) |
| | |
| Units of Power | Watts (W) and _____ (kW) |
| Summary of Work: | |

For each problem write the problem number, make a sketch of the problem, and **show all calculations for your answer.**

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