

Note Taking Guide - Episode 603, Part 1

Energy -

Work involves:

- 1.
- 2.

$$W = \frac{\quad}{\quad}$$

Is work being done on the box? Answer yes or no.

- 1) Student pushes box horizontally across the lab table. _____
- 2) Student picks the box up vertically _____
- 3) Student holds the box still. _____
- 4) Student holds box still as he walks across room. _____

Draw arrows for "F_a" and "d" to show the reason for each above answer.

- 1)  2)  3)  4) 

MKS unit for work is the _____ = ____ X ____

Ex. Problems:

What work is done when a refrigerator is pushed uniformly 12 m across the floor. The force of friction between the floor and refrigerator is 480 N.

What work is done when a 2.5 kg package is lifted uniformly _____ m?

Problem Set #1: (1-3) Solve on back.