

Topic 1 lesson 1

Please answer each question as thoroughly as you can.

1. Give an example not from your textbook, in which energy produces a force that causes motion.
2. What force is applied to an object if 35J of work was done and the object moved 7m? Show your work. $W=FxD$ so.....**F=work/distance**
3. A student did 24 J of work on a chair. She applied a force of 12N and moved the chair 2m.
What else do you need to know to determine the amount of power she used?
4. You need to carry six cans of paint from the basement of your house to the attic. Will you do more work if you take the cans two at a time or if you carry them all at once?
5. Is work done when you hold a heavy object for a long time? **Explain....**