Every few years, the physics department reviews textbooks. As we begin that process again, we’d like to find out how students are using textbooks. Please help us by answering as accurately as you can. (There are no “right” answers here, nor will we look at any individual responses. We just want to take a general survey.)

Q1. How much have you used a paper-and-ink textbook (any author, any edition) in this course?

1. For 80% - 100% of the topics we’ve covered.
2. For 60% - 80% of the topics we’ve covered.
3. For 40% - 60% of the topics we’ve covered.
4. For 20% - 40% of the topics we’ve covered.
5. For 0% - 20% of the topics we’ve covered.
Q2. How would you agree or disagree with this statement?

“The size of the textbook—specifically, whether it is a full hard-bound book that covers all three terms of physics, or split into “term-sized” volumes*—would affect how much you use it.”

*Assume that most topics for a given term would be in a single volume, but you might need to refer occasionally to topics in previous volumes.

1. Strongly agree.
2. Mostly agree.
3. Neutral/not sure
4. Mostly disagree.
5. Strongly disagree
A 2-kg mass is compressed 1 m against a spring whose spring constant $k$ is 20 N/m. Once released the mass slides down a frictionless ramp then back up to another spring with the same spring constant. After compressing the second spring it comes to rest and is held in place. When does the normal force from the ground do the most work?

1. Between (a) and (b)
2. Between (b) and (c)
3. Between (c) and (d)
4. Between (d) and (e)
5. The normal force does no work
A pendulum swings in a vertical circle. At what point does the tension in the string do the most work?

1. Bottom of the loop
2. Top of the loop
3. The tension does no work
Three students are discussing the concept of work in regards to a situation where a dude is standing at rest holding some books. Which student do you agree with most?

1. “The books aren’t moving so there is no way any work is being done on them.”

2. “That doesn’t make sense because the dudes arms would be getting tired and thus he must be losing energy, if energy is being lost then work must be done on the dude”

3. “The only force connecting the books and that dude are the normal force, so if the books have no work being done on them but the dude does have work being done on him it can’t be due to the normal force from the books.”

4. All are correct statements