- 6. I have four identical springs and would like to make a longer spring with the same

(Draw the connected springs here)

- 7. Complete this sentence: springs generate _____ and store ____.
- 8. From the formulas that predict the spring constants of parallel and series connected springs, describe why a material cut into shorter pieces, each piece has a larger spring constant, or cut into narrow strips, each piece has a smaller spring constant.
- 9. A spring, spring constant, k, is cut into two shorter pieces. One piece is 1/4 of the original length. What are the spring constants of both pieces?