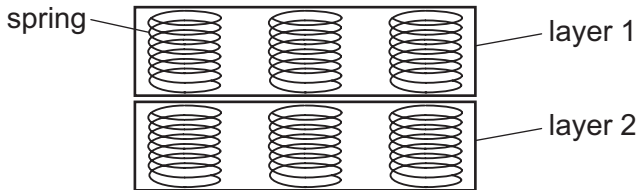


24 The diagram shows the structure of part of a mattress.



The manufacturer wants to design a softer mattress (one which will compress more for the same load).

Which change will **not** have the desired effect?

- A** using more layers of springs
- B** using more springs per unit area
- C** using springs with a smaller spring constant
- D** using springs made from wire with a smaller Young modulus

25 In which order of magnitude are the frequencies of electromagnetic waves in the visible