

- 17** In many old-style filament lamps, as much as 93 J of energy is emitted as thermal energy for every 7 J of energy emitted as light.

What is the efficiency of the lamp, as the percentage of electrical energy converted to light energy?

- A** 7 % **B** 8 % **C** 92 % **D** 93 %

- 18** An electric railway locomotive has a maximum mechanical output power of 4.0 MW. Electrical