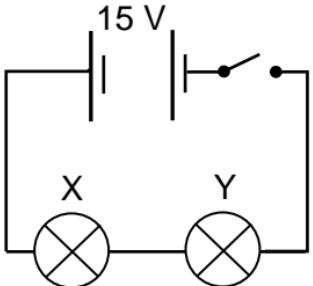


- 21 Two bulbs are connected in series to a 15 V power supply. Bulb X is rated 10 V, 20 W and Bulb Y is rated 5 V, 2 W.



Which of the following best describes the power output of the bulbs when the switch is closed?

- | <u>power output of bulb X</u> | <u>power output of bulb Y</u> |
|-------------------------------|-------------------------------|
| A      20 W                   | 2 W                           |
| B      greater than 20 W      | smaller than 2 W              |
| C      smaller than 20 W      | greater than 2 W              |
| D      smaller than 20 W      | smaller than 2 W              |