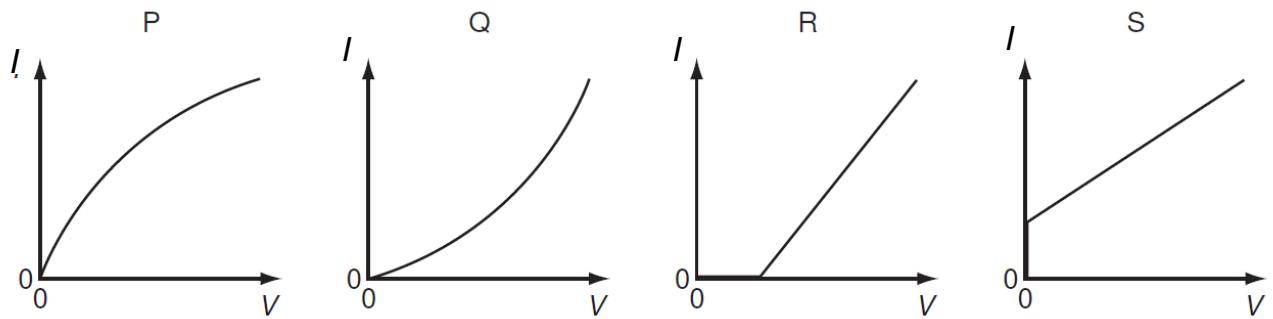


- 21 The graphs show possible current-voltage ( $I$ - $V$ ) relationships for a filament lamp and for a semiconductor diode.



Which row best specifies the correct  $I$ - $V$  graphs for the lamp and the diode?

filament lamp

semiconductor diode

- |          |   |   |
|----------|---|---|
| <b>A</b> | P | R |
| <b>B</b> | P | S |
| <b>C</b> | Q | R |
| <b>D</b> | Q | S |