

- 3 Two stars, P and Q, are observed from Earth. The intensity of radiation from P is less than that from Q. The parallax angle for P is greater than that for Q.

Which row of the table is correct?

	Distance from Earth	Comparison of luminosities
<input type="checkbox"/> A	P is closer than Q	luminosity of P is greater than Q
<input type="checkbox"/> B	P is closer than Q	luminosity of P is less than Q
<input type="checkbox"/> C	P is further away than Q	luminosity of P is greater than Q
<input type="checkbox"/> D	P is further away than Q	luminosity of P is less than Q

(Total for Question 3 = 1 mark)