


radio weves. infrared radiaiono, visibl light ultraviolet radiation

○ radio waves. infared dadiation, uttavioiet radiation, , sisble igizh
$\bigcirc$ infareed radiation, radio waves, visibe igith, utraviolet radiation
 O ${ }^{411 \text { nm }}$
$)^{4.11 \times 10^{21} \mathrm{~mm}}$
$\mathrm{O}^{\mathrm{O}} \mathrm{S}_{4.111 \times 10^{410^{27}} \mathrm{~nm}}$
$1.02 \times 10^{20}$ photons

3
 $\stackrel{\text { produced? } / \text { Hint } 1 \text { IeV } 1.6022 \times 10^{19}}{0} \mathrm{~N}$.
$\mathrm{O}_{1.35 \times 10^{12} \mathrm{~m} / \mathrm{s}}$
O $9.89 \times 10^{5} \mathrm{~m} / \mathrm{s}$
Bis



O 9.12x
O $8.72 \times 10^{8} \mathrm{~m} / \mathrm{s}$
Tine

 O Radiaion $\begin{aligned} & \text { iven off by blackbody radiators can only be enited in inuuntized amounts. }\end{aligned}$ $\bigcirc$ Oadiaion iven of by blacctoody radiators can be enitited in all types of fadiation, not iust
O Eventully blactodod radiators san cool too temperature of fabosutute ever, resulting in its
${ }_{18}^{18}{ }_{\text {The dein }}$

O only macroscopic objects have wavelensths.

- allobercts have a wavelength. However in the case of macrosocopic objects, these

O only uantum obiects have wevelengths

