

NOTES: Blackbody radiation

BLACKBODY RADIATION



A blackbody is an idealized _____

- No surface _____ more.*
- No surface _____ more.
- Emits same amount of radiation in _____ \Rightarrow It is _____.

//// Black surface ////

//// Red surface ////

EMISSIVE POWER

Heat transfer _____ by a surface
_____ of that surface.

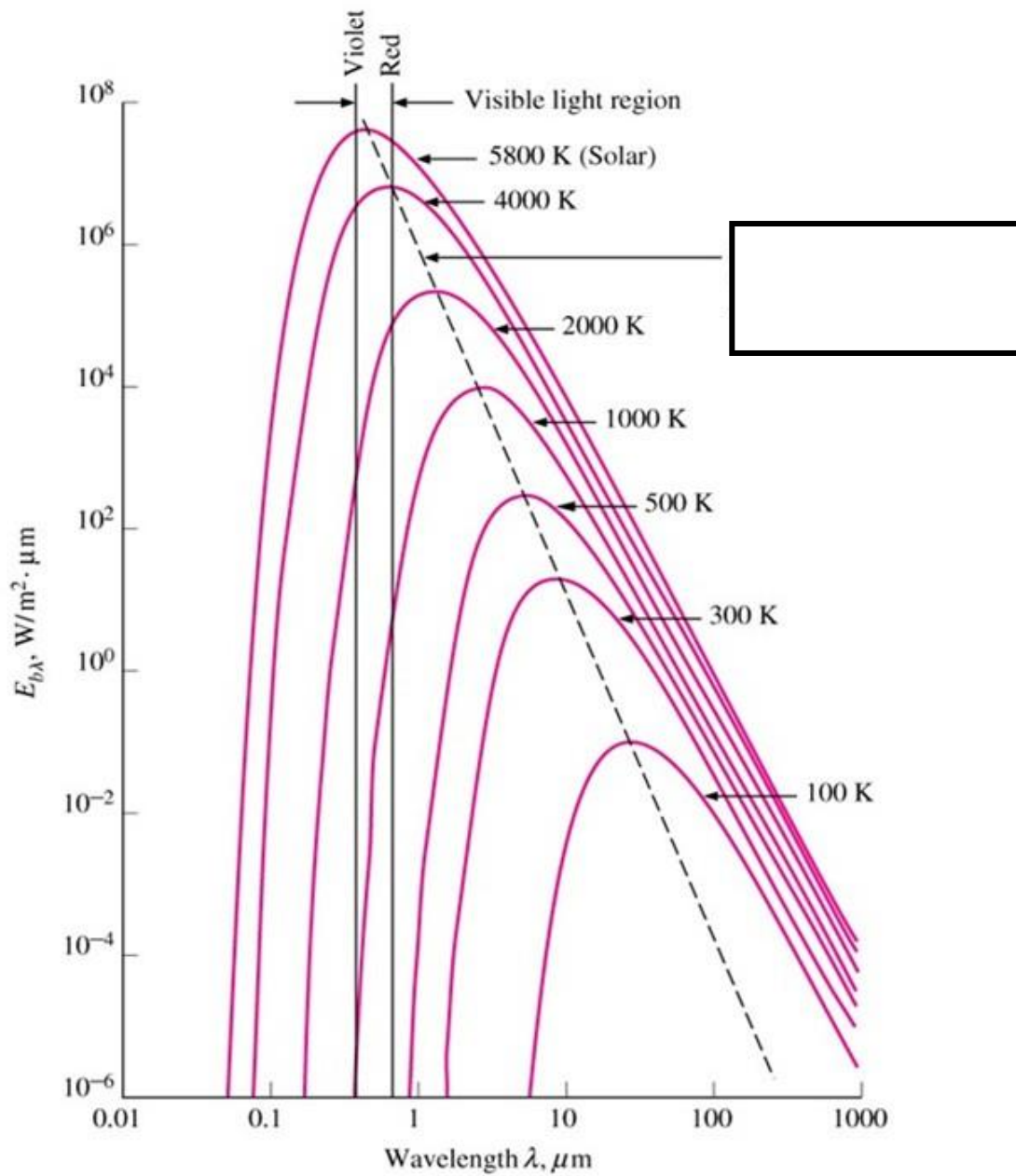
$$E_b = \quad \text{(Blackbody)}$$

$$E = \quad \text{(Red surface)}$$

* what is E for a blackbody?

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Blackbody Emissive Power



NOTES: Blackbody radiation

