In-class activity 14

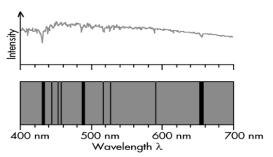
Assemble Your Group

1. Find your assigned group members, and sign in below.

Team member:	Team member:
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Absorption Spectra

 (Cf. Seeds and Backman, ASTRO2, Brooks/Cole Cengage Learning, 2014, pp. 86-87.) The intensity versus wavelength graph¹ and the (simplified) absorption lines of the sun, as detected by an observatory on a high mountain are shown at right.



- (a) (Clearly circle your answer.) According to Kirchhoff's laws, this spectrum is a hot, dense object produced by hot, diffuse gas atoms blackbody radiation passing through cool, diffuse gas atoms
- (b) Briefly explain your answer to (a).

Explanation:

 $^{{}^{1}\,}Spectrum\,adapted\,from\,\textit{SpectrumExplorer}\,2.1,\, \verb{http://lite.bu.edu/spex/}.$