

Emission Spectra

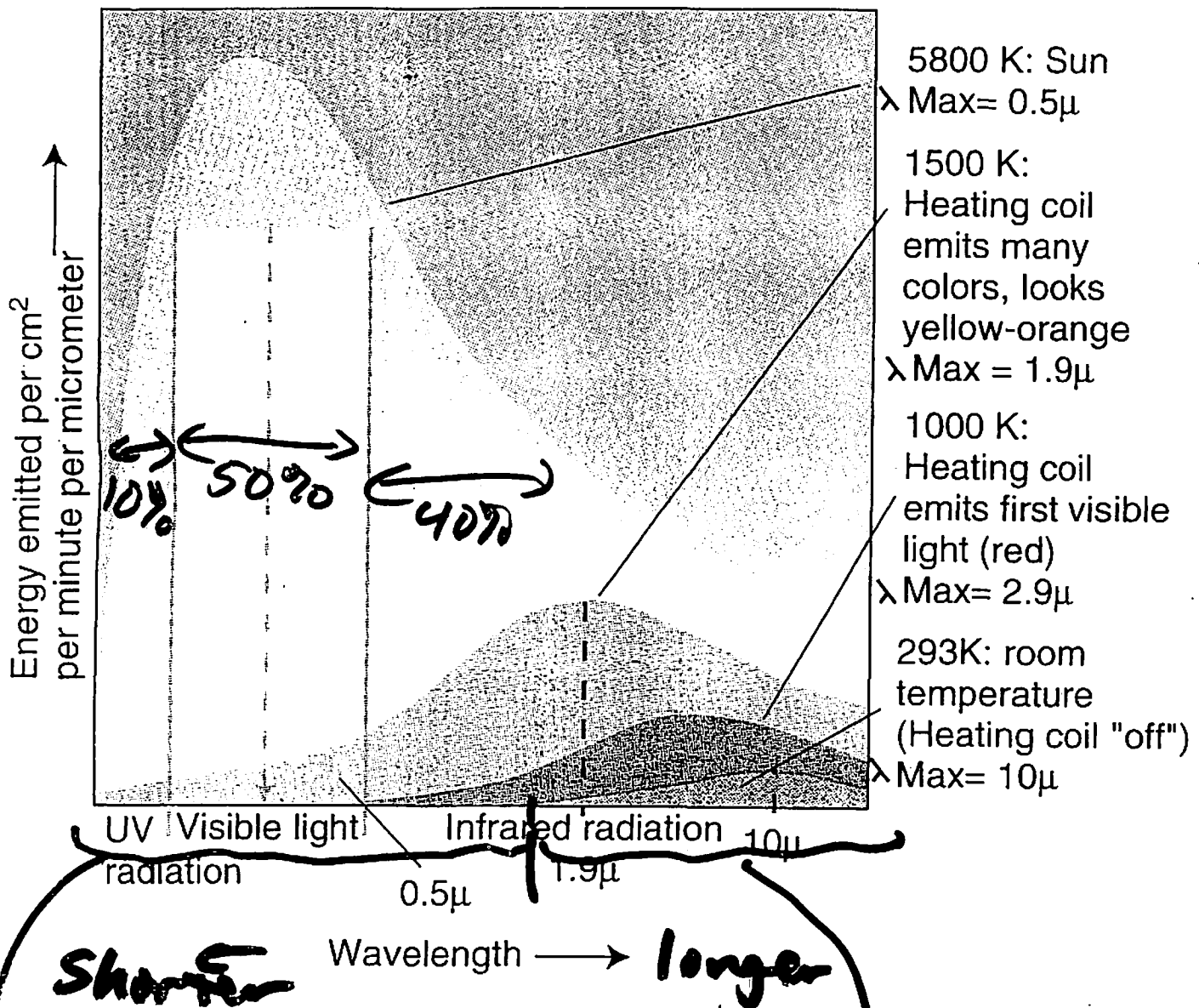


Figure 3.19 Blackbody radiation curves showing energy emitted at each wavelength for objects at various temperatures. Note that the vertical coordinate is not labeled with specific values; the curves do not show exact values, but general relations. (To represent actual values, the sun's curve would have to be 3 million times higher than the peak for the room temperature curve.)

wavelengths that the sun emits, mostly Solar radiation (short wave radiation)

wavelengths that the earth emits, mostly terrestrial radiation (long wave Infrared radiation)