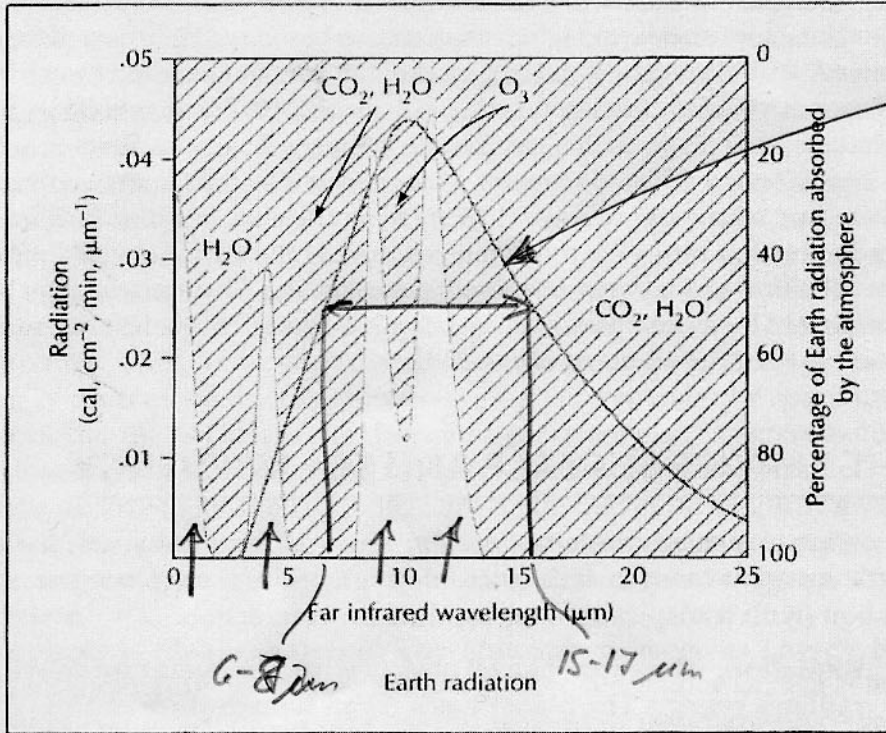


Your Name: Answer Key

20% off for NO EXPLANATIONS



earth's outgoing IR as a function of wavelength.

Figure 2.6
Earth radiation and atmospheric absorption.

According to the figure shown above:

1. Over which wavelengths does the earth emit most of its blackbody radiation? (4 points)
2. For which wavelengths is the earth's atmosphere translucent? (6 points)

Make sure to briefly explain your answers.

① according to the graph the earth's IR flux peaks between 6-8 and 15-18 μm (I got you some slack here) which is the wavelength region where the earth emits most of its radiation (partial credit 3pts for $\lambda_{max} = 10 \mu m$)

② arrows indicate wavelength regions where less than 100% of outgoing radiation is absorbed by atmosphere can indicate on graph as vertical lines.