

INSOLATION

Name _____

Directions: Define the following terms.

insolation	intensity of insolation	intensity of radiation
angle of insolation	direct rays	seasons
aerosol	terrestrial radiation	greenhouse effect

Directions: Give the best answer to the following questions.

- Incoming solar radiation that is received from the Sun is called _____.
- Hot objects radiate (longer / shorter) wavelengths; cool objects radiate (longer / shorter) wavelengths.
- Hot objects give off (more / less) intense radiation; cool objects give off (more / less) intense radiation.
- The Earth receives about _____ of all the radiation given off by the Sun.
- Of the amount it does receive, the Earth makes use of _____.
- Most of the short-wave radiation received by the Earth is re-radiated from the Earth's surface as _____ - wave _____ energy.

7. According to the diagram, maximum intensity of insolation occurs within what wavelength?

8. Answer questions 1-5 in the box below the diagram.

