

Self Tests

Match the Following

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|---------|---|----|--------------------|
| ___ 1. | Heat transfer process that depends upon the movement of air | a. | conduction |
| ___ 2. | Objects that selectively absorb and emit radiation | b. | sensible heat |
| ___ 3. | Rising bubbles of air | c. | infrared |
| ___ 4. | The heat we can feel and measure with a thermometer | d. | selective absorber |
| ___ 5. | The horizontal transfer of any atmospheric property by the wind | e. | temperature |
| ___ 6. | Energy transferred by electromagnetic waves | f. | Kelvin |
| ___ 7. | One millionth of a meter | g. | convection |
| ___ 8. | A measure of the average speed of air molecules | h. | aurora |
| ___ 9. | The horizontal distance between two wave crests | i. | radiation |
| ___ 10. | This is released as sensible heat during the formation of clouds | j. | wavelength |
| ___ 11. | The transfer of heat by molecule-to-molecule contact | k. | visible |
| ___ 12. | The sun emits radiation with greatest intensity in this region of the spectrum | l. | solar wind |
| ___ 13. | A temperature scale where 0° represents freezing and 100° boiling | m. | latent heat |
| ___ 14. | Wavelengths longer than those of red light | n. | micrometer |
| ___ 15. | Visible light given off by excited atoms and molecules in the upper atmosphere | o. | ultraviolet |
| ___ 16. | Electromagnetic waves whose wavelengths are shorter than those of visible light | p. | advection |
| ___ 17. | Temperature scale that begins at absolute zero | q. | Celsius |
| ___ 18. | Charged particles traveling through space | r. | thermals |