|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

climate/ weather

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  | 1S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 2T |  R |  A |  D |  E |  W |  I |  N |  D | 3S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  O |  |  M |  |  |  |  |  |  |  |  | 4P |  | 5S |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  W |  |  O |  |  |  | 6P |  |  |  |  |  R |  |  H |  |  |  | 7U |  |
|  |  |  |  |  |  |  |  |  | 8D |  |  F |  |  G |  | 9C |  |  O |  |  |  |  |  E |  |  E |  |  |  |  P |  |
|  |  |  |  |  |  |  |  |  |  R |  |  L |  |  |  |  L |  |  L |  |  |  |  |  V |  |  E |  |  |  |  W |  |
|  |  |  |  |  |  |  |  | 10P |  O |  L |  A |  R |  C |  L |  I |  M |  A |  T |  E |  S |  |  A |  |  T |  |  |  |  E |  |
|  |  |  |  |  |  |  |  |  |  U |  |  K |  |  |  |  M |  |  R |  |  |  |  |  I |  |  L |  |  |  |  L |  |
|  |  |  |  |  |  |  |  |  |  G |  |  E |  | 11H |  |  A |  |  A |  |  |  |  |  L |  |  I |  |  |  |  L |  |
|  |  |  |  |  |  |  | 12P |  |  H |  |  | 13H |  E |  A |  T |  L |  I |  G |  H |  T |  N |  I |  N |  G |  | 14W |  |  I |  |
|  |  |  | 15A |  |  |  |  E |  |  T |  | 16S |  |  A |  |  E |  |  R |  |  |  |  |  N |  |  H |  |  H |  |  N |  |
|  | 17B |  L |  I |  Z |  Z |  A |  R |  D |  |  |  L |  |  T |  |  |  |  M |  |  | 18L |  I |  G |  H |  T |  N |  I |  N |  G |  |
| 19E |  |  |  R |  |  |  |  M |  | 20D |  |  E |  |  |  | 21D |  |  A |  |  |  |  |  W |  |  N |  |  T |  |  |  |
|  V |  |  |  M |  | 22S |  E |  A |  L |  E |  V |  E |  L |  P |  R |  E |  S |  S |  U |  R |  E |  |  I |  |  I |  |  E |  | 23C |  |
|  A |  |  |  A |  |  |  |  F |  |  W |  |  T |  |  |  |  N |  |  S |  |  |  |  |  N |  |  N |  |  F |  |  L |  |
|  P |  |  |  S |  |  |  |  R |  |  |  |  |  |  |  |  S |  |  |  |  |  |  |  D |  |  G |  |  R |  |  O |  |
|  O |  |  |  S |  | 24T |  |  O |  | 25P |  R |  E |  C |  I |  P |  I |  T |  A |  T |  I |  O |  N |  |  |  |  |  O |  |  U |  |
|  R |  |  |  |  |  O |  |  S |  |  |  |  |  |  |  |  T |  |  |  |  |  |  |  |  |  |  |  S |  |  D |  |
|  A |  |  |  | 26A |  R |  C |  T |  I |  C |  A |  I |  R |  | 27T |  Y |  P |  H |  O |  O |  N |  |  |  |  |  |  T |  |  B |  |
|  T |  |  |  |  |  N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  U |  |
|  I |  |  |  |  |  A |  |  |  | 28O |  N | 29S |  H |  O |  R |  E |  B | 30R |  E |  E |  Z |  E |  |  |  |  |  |  |  R |  |
|  O |  |  |  |  |  D |  |  |  |  |  |  E |  |  |  |  |  |  A |  |  |  |  |  |  |  |  |  |  |  S |  |
|  N |  |  | 31S |  N |  O |  W |  |  |  |  |  A |  |  | 32A |  I |  R |  D |  E |  N |  S |  I |  T |  Y |  |  |  |  |  T |  |
|  |  |  |  |  |  |  |  |  |  |  |  B |  | 33W |  |  |  |  I |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 34O |  F |  F |  S |  H |  O |  R |  E |  B |  R |  E |  E |  Z |  E |  | 35A |  I |  R |  P |  R |  E |  S |  S |  U |  R |  E |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  E |  |  A |  |  |  |  T |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 36H |  U |  R |  R |  I |  C |  A |  N |  E |  | 37T |  R |  O |  P |  I |  C |  A |  L |  S |  T |  O |  R |  M |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  Z |  |  H |  |  |  |  O |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  E |  |  E |  |  |  |  N |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 38I |  N |  V |  E |  R |  S |  I |  O |  N |  |  | 39R |  A |  I |  N |  | 40M |  I |  C |  R |  O |  C |  L |  I |  M |  A |  T |  E |

|  |  |
| --- | --- |
| **Across****2.** The winds that occupy most of the tropics and blow from the subtropical highs to the equatorial low.**10.** Climates in which the mean temperature of the warmest month is below 10ºC; climates that are too cold to support the growth of trees.**13.** Distant lightning that illuminates the sky but is too far away for its thunder to be heard**17.** A severe weather condition characterized by low temperatures and strong winds (greater than 32 mi/hr) bearing a great amount of snow. When these conditions continue after the falling snow has ended, it is termed a ground blizzard.**18.** A visible electrical discharge produced by thunderstorms.**22.** The atmospheric pressure at mean sea level.**25.** Any form of water particles-liquid or solid-that falls from the atmosphere and reaches the ground.**26.** A very cold and dry air mass that forms primarily in winter and the northern interior of North America.**27.** A hurricane that forms in the western Pacific Ocean**28.** A breeze that blows from the water onto the land. Opposite of an offshore breeze.**31.** Solid precipitation in the form of minute ice flakes that occur below 0ºC**32.** Mass per unit volume of air; about 1.275 km per cubic meter at 0ºC and 1000 millibars.**34.** A breeze that blows from the land out over the water. Opposite of an onshore breeze.**35.** The cumulative force exerted on any surface by the molecules composing air.**36.** A severe tropical cyclone having winds in excess of 64 knots (74 mi/hr).**37.** Organized thunderstorms with a cyclonic wind circulation between 35 and 64 knots.**38.** An increase in air temperature with height**39.** Precipitation in the form of liquid water drops that have diameters greater than that of drizzle.**40.** The climate structure of the air space near the surface of the earth. | **Down****1.** An aggregate of ice crystals that falls from a cloud**3.**  a mixture of smoke and fog**4.** The wind direction most frequently observed during a given period.**5.** A fairly bright lightning flash from distant thunderstorms that illuminates a portion of the cloud.**6.** A cold air mass that forms in a high-latitude source region.**7.** The rising of water (usually cold) toward the surface from the deeper regions of a body of water.**8.** A period of abnormally dry weather sufficiently long enough to cause serious effects on agriculture and other activities in the affected area.**9.** The accumulation of daily and seasonal weather events over a long period of time. A description of aggregate weather conditions; the sum of all statistical weather information that helps describe a place or region**11.** A form of energy transferred between systems by virtue of their temperature differences.**12.** A layer of soil beneath the earth's surface that remains frozen throughout the year.**14.** Ice crystals that form on surfaces instead of dew when the dew point is below freezing.**15.**  A large expanse of air having similar temperature and humidity at any given height.**16.** A type of precipitation consisting of transparent pellets of ice 5 mm or less in diameter. Same as ice pellets.**19.**  The process by which a liquid changes into a gas**20.** Water that has condensed onto objects near the ground when their temperatures have fallen below the dew point of the surface air**21.** The ratio of the mass of a substance to the volume occupied by it.**23.** Any sudden and heavy rain shower.**24.** An intense, rotating column of air that protrudes from a cumulonimbus cloud in the shape of a funnel or a rope and touches the ground.**29.**  A coastal local wind that blows from the ocean onto the land. The leading edge of the breeze is termed a sea breeze front.**30.**  Energy propagated in the form of electromagnetic waves. These waves do not need molecules to propagate them, and in a vacuum they travel at nearly 300,000 km per sec.**33.** The state of the atmosphere in terms of such variables as temperature, cloudiness, precipitation, and radiation. |