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Chapter 4 lessons 1, 2, 3, and, 4

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|  |  |  |  |  |  |  |  |  |  |  | 2C |  |  |  |  |  |  |  |  |  | 3W |  |  C |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 4P |  |  |  |  O |  |  |  |  |  |  |  |  |  |  A |  |  I |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  H |  |  |  |  N |  |  |  |  |  |  |  |  |  |  T |  |  D |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  O |  |  |  |  D |  |  |  |  |  |  |  |  |  |  E |  |  P |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  T |  | 5P |  |  U |  |  |  |  |  |  |  |  |  |  R |  |  R |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  O |  |  O |  |  C |  |  | 6R |  |  |  |  |  |  |  V |  |  E |  |  |  |  |  |  |
|  |  | 7P |  A |  R | 8T |  I |  C |  U |  L |  A |  T |  E |  M |  A |  T |  T |  E |  R |  |  |  A |  |  C |  |  |  |  |  |  |
|  |  |  |  |  |  E |  |  H |  |  A |  |  I |  |  |  D |  |  |  |  | 9L |  |  P |  |  I |  |  | 10T |  |  |  |
|  |  |  |  |  |  M |  |  E |  |  R |  |  O |  |  |  I |  | 11S |  T |  R |  A |  T |  O |  S |  P |  H |  E |  R |  E |  |  |
|  |  |  |  |  |  P |  |  M |  |  E |  |  N |  |  |  A |  |  |  |  |  N |  |  R |  |  I |  |  |  A |  |  |  |
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|  |  |  |  |  |  U |  |  A |  |  T |  | 13I |  O |  N |  O |  S |  P |  H |  E |  R |  E |  |  |  T |  |  |  W |  |  |  |
|  |  |  |  |  |  R |  |  L |  |  E |  |  |  |  |  N |  |  |  |  |  E |  |  |  |  I |  |  |  I |  |  |  |
|  |  |  |  | 14J |  E |  T |  S |  T |  R |  E |  A |  M |  |  | 15C |  O |  N |  V |  E |  C |  T |  I |  O |  N |  |  N |  |  |  |
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| **Across****7.** is a mixture of dust, acids, and other chemicals that can be hazardous to human health**11.** the atmosphereic layer directly above the troposphere**12.** is the movement of air from areas of high pressure to areas of low pressure**13.** is a region within the mesosphere and thermosphere that contain ions**14.** near the top of the troposphere is a narrow band of high winds**15.** the transfer of thermal energy by movement of particles within matter **16.** is a thin layer of gases surronding earth**18.** the contamination of air by harmful substances including gases and smoke **19.** the atmospheres layer closest to earth**20.** the area of the stratosphere with a high concentration of ozone **21.** are steady winds that flow from west to east between latitude 30 degrees north and 60 degrees north and 30 degrees south and 60 degrees south  | **Down****1.** when sulfer dioxide and nitrogen oxides combine with moisture in the the atmosphere and form precipitation that has a PH lower than that of normal rainwater**2.** is the transfer of thermal energy by collisions between particles of matter**3.** is water in its gaseous form**4.** is air pollution that forms from the interaction between chemicals in the air and sunlight **5.** are cold winds that blow from east to west near the north and south pole**6.** is the transfer of energy by electromagnetic waves **8.** occurs in the troposphere when tempature increases as altitude increases**9.** is a wind that blows from land to sea due to local tempatures and pressure differences **10.** are steady winds that flow from east to west between latitude 30 degrees north and 60 degrees north and 30 degrees south and 60 degrees south**17.** is a wind that blows fron sea to land due to local tempatures and pressure differences  |