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Chapter 3 Phases of Matter

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|  |  |  |  |  |  |  | 2S |  U |  B |  L |  I |  M |  A |  T |  I |  O |  N |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  R |  |  |  |  |  |  |  |  |  |  |  |  | 3P |  |  |  |
|  |  |  |  |  | 4P |  |  |  |  |  |  |  |  T |  |  |  |  |  |  |  |  |  |  |  |  |  A |  |  |  |
|  |  |  |  |  |  H |  |  |  |  | 5S |  O |  L |  I |  D |  |  |  |  |  |  |  |  |  |  |  |  R |  |  |  |
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|  |  |  |  |  |  S |  | 8P |  A |  R |  T |  I |  C |  L |  E |  M |  O |  T |  I |  O |  N |  O |  F |  S |  O |  L |  I |  D |  |  |
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|  |  |  |  |  |  O |  |  E |  |  | 13G |  |  |  N |  |  |  T |  |  |  |  L |  |  |  |  W |  |  I |  |  |  |
|  |  |  | 14V |  A |  P |  O |  R |  I |  Z |  A |  T |  I |  O |  N |  |  I |  |  |  |  E |  |  |  |  |  |  O |  |  |  |
|  |  |  |  |  |  E |  |  M |  |  |  S |  |  |  F |  |  |  O |  |  |  |  S |  |  |  |  |  |  N |  |  |  |
|  |  |  |  |  |  R |  |  I |  |  |  | 15M |  E |  L |  T |  I |  N |  G |  |  |  L |  |  |  |  |  |  O |  |  |  |
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| **Across****2.** Phase change from a solid to a gas**5.** Matter that has a definite shape and volume**8.** Fixed in place, packed tightly**10.** Heat is absorbed**12.** Matter that has no definite shape but a definite volume**14.** Phase change from a liquid to a gas**15.** Phase change from solid to a liquid**16.** Phase change from a liquid to a solid | **Down****1.** Constant motion, closer together, less kinetic energy**3.** Constant, random motion**4.** A property that can be observed without changing the identity of the substance.**6.** Phase change from a gas to a liquid**7.** The volume of a fixed mass of gas varies inversely with the pressure at constant temperature**9.** Heat is released **11.** The volume of a fixed mass of gas at constant pressure varies directly with the Kelvin temperature scale**13.** Matter that has no definite shape or volume |