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

States of Matter

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| **Across**  **4.** Is the temperature at which a liquid boils into a gas.  **5.** Are particles that form the building blocks of matter.  **9.** Is the amount of space a substance occupies.  **10.** Is a substance with fixed volume, taking container's shape.  **11.** Is a substance that has no fixed shape and fills containers.  **13.** Describes a substance that is able to be squashed.  **15.** Is the regular arrangement of atoms in a network. | **Down**  **1.** Are the attractive forces that hold atoms together.  **2.** Is a group of atoms bonded together.  **3.** Is what substances and objects are made of.  **6.** Is the temperature at which a liquid turns into a solid.  **7.** Measures how hot or cold an object is.  **8.** Is the temperature at which a solid melts.  **12.** Is the substance that has fixed shape and volume.  **14.** Is the measure of the amount of matter in an object or substance. |

   A molecule       Atoms       Mass       Compressible       Freezing point       Melting point       Temperature       Bonds       A solid       Matter       A liquid       A gas       A lattice       Volume       Boiling point