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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