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

The Atom

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| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across****1.** unit for measuring the number of molecules in a substance **7.** a burning substance that gives out heat, smoke, and light**11.** indefinite shape**12.** smallest component of an element**14.** process that occurs within an atom**15.** colorless liquid**16.** extremely small constituents of matter **19.** a very small unit of matter that the particles of an atom consist of**20.** part of a molecule consisting of series of atoms connected in a line | **Down****2.** gaseous element present in the suns atmosphere (symbol He)**3.** group of electrons revolving around the nucleus of an atom**4.** relative atomic mass**5.** invisible gaseous substance surrounding the earth**6.** colorless flammable gas (symbol H)**8.** element that has a negative charge**9.** element that has no charge **10.** positively charged mass within an atom. **13.** the planet we live on**17.** propelled or driven by atomic energy**18.** positively charged element |