

Name: _____ Date: _____

**Essential Question**

What Are Properties of Matter?

Answer the following items on the lines provided.

1. List three extensive properties of matter and three intensive properties of matter.

Extensive Properties

Intensive Properties

2. Is burning a candle a physical change or a chemical change? Explain.

Write a letter beside each number to match each term with its correct definition.

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|----------------------------|--|
| 3. ____ exothermic change | A. a liquid's resistance to flow |
| 4. ____ compression | B. the process of forcing an object to occupy a smaller volume |
| 5. ____ viscosity | C. a solid in which atoms are arranged in a very regular, three-dimensional pattern |
| 6. ____ amorphous solid | D. a state of matter where many of the atoms have lost their electrons |
| 7. ____ surface tension | E. the attractive force that exists between the particles on the surface of a liquid |
| 8. ____ endothermic change | F. a change in which energy is absorbed |
| 9. ____ crystalline solid | G. a solid in which each atom has a specific position where it remains, but atoms do not have an ordered arrangement |
| 10. ____ sublimation | H. a change of state from solid into gas without melting |
| 11. ____ plasma | I. a change in which energy is released |

Level 8