Chemistry: F	orm i	Ls1.	5A
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MATTER

Name

Date

Period

The Nature of Matter

Aim

• list the properties of matter and describe a classification scheme for it that distinguishes between types of pure substances and mixtures

Notes

Matter

- * Chemistry study of the nature of matter its composition and the changes it undergoes
- ★ Definition anything that has mass and takes up space
- ★ Properties of matter
 - \therefore has mass
 - ☆ takes up space
 - ☆ has inertia
 - \Rightarrow composed of elements, compounds, or mixtures
- ★ Classification scheme



Answer the questions below by circling the number of the correct response

- Which of the following is NOT matter? (1) a chair (2) air (3) light (4) water
- 2. Which of the following is NOT a property of matter? (1) inertia (2) occupies space (3) composed of elements (4) weightlessness
- Which of the following may be heterogeneous? (1) elements only (2) compounds only (3) mixtures only (4) elements and compounds
- 4. Which of the following is pure? (1) elements only (2) compounds only (3) mixtures only (4) elements and compounds

- 5. Which of the following consists of more than one substance?
 (1) elements only (2) compounds only (3) mixtures only
 (4) elements and compounds
- 6. Which of the following are types of matter? (1) elements only (2) compounds only (3) mixtures only (4) all of these
- Which of the following is a type of mixture? (1) elements only (2) compounds only (3) solutions only (4) elements and compounds

Chemistry Form Ls1.5A

MATTER

- 8. Which of the following is matter? (1) love (2) ideas (3) rock (4) heat
- 9. The tendency of matter to maintain its state of motion is known as (1) density, (2) inertia, (3) mass, (4) volume.
- Which of the following is NOT composed of two or more types of atoms? (1) element (2) compound (3) solution (4) mechanical mixture
- 11. Which represents a homogeneous mixture? (1) $CuSO_4(s)$ (2) NaCl(aq) (3) $Br_2(\ell)$ (4) $CO_2(g)$
- 12. Which substance can be decomposed by a chemical change? (1) ammonia (2) iron (3) argon (4) helium

13. Given:

