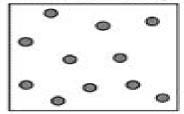
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## Chapter 2 - Atoms, Molecules, and Ions

Stanferer:

- Which of the following is/are postulates of Dalton's atomic theory?
  - Atoms combine in fixed ratios of whole numbers.
  - 2. Atoms of each element have different properties.
  - 3. Elements occur as solids, liquids, or gases.
  - A. 1 only
  - B. 2 only
  - C. 3 only
  - D. 1 and 2
  - E. 1, 2, and 3
- 2. Which of the following statements best describes the particulate representation depicted by the picture?



- A. The figure is a representation of a gas made up of a single element.
- B. The figure is a representation of a liquid mixture of two elements.
- C. The figure is a representation of a molecular solid.
- D. The figure is a representation of a liquid mixture of two compounds.
- E. The figure is a representation of a gas of a compound.
- 3. Which of the following is <u>not</u> a correct name—symbol combination?
  - A. cobalt, Co.
  - B. vanadium, V
  - C. neon, Ne
  - D. scandium, Sc
  - E. titanium, Mg

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## **A Gutmann**

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