

# Concept Review

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## Section: Organizing the Elements

1. **Write** the chemical symbol for each of the following elements:

\_\_\_\_\_ a. manganese

\_\_\_\_\_ b. lead

\_\_\_\_\_ c. carbon

\_\_\_\_\_ d. uranium

\_\_\_\_\_ e. radon

\_\_\_\_\_ f. silver

2. **Indicate** whether each statement can be used to describe rows in the periodic table, columns in the periodic table, or both.

\_\_\_\_\_ a. Atomic mass increases.

\_\_\_\_\_ b. Atomic number increases.

\_\_\_\_\_ c. Chemical properties are similar.

\_\_\_\_\_ d. Conductivity changes.

3. **Describe** what Mendeleev found when he organized the elements by atomic mass.

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4. **Explain** why Mendeleev had to reverse the order of some of the elements in his periodic table, and describe the effect this had on the modern periodic table.

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5. **Describe** how rows and columns in the modern periodic table are organized.

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