

CHAPTER ≤ 4

STUDY GUIDE FOR CONTENT MASTERY

SECTION 4.1 What Is a mineral?, continued

In your textbook, read about minerals that formed from magma and that formed from solution. **For each statement, write** *true* **or** *false.*

10.	Minerals can form from the cooling of magma.
	Density differences can force magma upward into cooler layers of Earth's interior.
	If magma cools slowly, atoms do not have time to arrange themselves into large crystals.
13.	Small crystals form from rapidly cooling magma.
	When liquid evaporates from a solution, the remaining elements cannot form crystals.
15.	Minerals can form from elements dissolved in a solution.
16.	If a solution remains unsaturated, mineral crystals may precipitate.

In your textbook, read about mineral groups.

Complete the table by filling in the following terms: silicates, carbonates, oxides.

Mineral Group	Description
17	Calcite, dolomite, and rhodochrosite are examples.
18	Readily form silica tetrahedrons
19	Composed of one or more metallic elements with the carbonate compound CO_3
20	Composed of silicon, oxygen, and another element
21	Compounds of oxygen and a metal
22	Magnetite and hematite, both sources of iron, are examples.
23	The most common minerals, feldspar and quartz, are examples.
24	Primary minerals in limestone and marble