NAME DATE CLASS

Chapter 3

STUDY GUIDE

Text Pages 74–77

Uses of Minerals

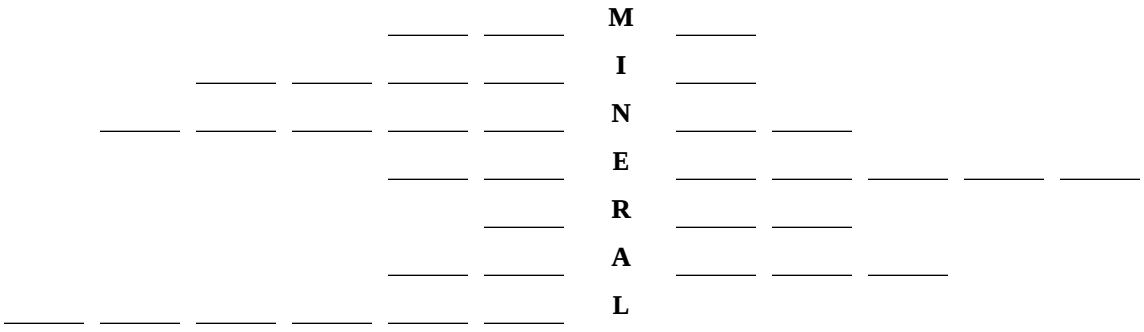
Use the words in the box to fill in the blanks. Some words may be used more than once.

aluminum	amethyst	crystal	demand
expense	gems	ores	polished
profit	rare	supply	
traces	useful	value	

Stones called _____ are highly prized minerals because they are beautiful and often _____ . Many gemstones have a _____ structure that allows them to be cut and _____ to the high quality needed for jewelry. The difference between a gemstone and the common form of the same mineral is sometimes slight. The purple stone _____ , for example, is quartz with just _____ of iron in its structure.

Some minerals contain a _____ substance that can be mined at a _____ . Such minerals are called _____ . Bauxite is this kind of mineral because _____ can be taken from it and made into _____ products. In most cases, waste rock or material must be removed before a mineral can be used. If the _____ of mining gets higher than the _____ of the material, the mineral is no longer considered to be an ore. The value of the material can also change if the _____ or the demand increases or decreases.

Use words in the box at the top of the page that fit to complete the puzzle.



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