

Lesson Outline**LESSON 3*****Sources and Uses of Minerals*****A. Mineral Resources**

1. A(n) _____ is a rock that contains high enough concentrations of a desired substance that it can be mined for a profit.
2. Ores of iron and _____ are among the most abundant metallic mineral resources.
 - a. Hematite is an important source of _____.
 - b. Iron is the main element in _____, which is used in buildings and vehicles.
 - c. Bauxite is an important _____ ore.
3. Some metals are so valuable that their ores are mined even though they are _____.
 - a. _____ is mined because its yellow color and metallic properties make it useful in jewelry.
 - b. Because gold conducts _____ and does not corrode, it is useful in science and industry.
4. A common nonmetallic mineral resource is _____, which is commonly composed of particles of quartz.
5. A(n) _____ is a rare and attractive mineral that can be worn as jewelry when it is cut and polished.
 - a. The _____ properties of gemstones make them useful in industry.
 - b. The minerals diamond and _____ are so hard that they are used in cutting tools and abrasives.
 - c. Many industrial gemstones are _____ stones that are manufactured by humans.