

## **Student Self-Assessment Questions for Unit 2**

These questions are included in the online reading in Student Materials

**Question #1** Which of the following mineral resources are used to make rechargeable batteries?

- a. Copper
- b. Lead**
- c. Lithium**
- d. Barium

**Question #2** Which of the following will increase the price of a mined resource?

- a. Because of higher operating costs, many mines in the United States close.**
- b. Mining companies need to invest in new technology to meet more stringent environmental regulations.**
- c. More mines open up, so that more of that mineral resource is mined.
- d. A popular new product uses a lot of that mineral resource.**
- e. Global population increases, and this mineral resource is used in products owned by most people.**
- f. Global health officials find that the mineral resource is harmful to human health.
- g. A new, relatively cheap mineral resource is found that can be used instead of the mineral resource (whose price we care about).

**Question #3** What will happen to the amount of mining if the price of a mineral resource increases?

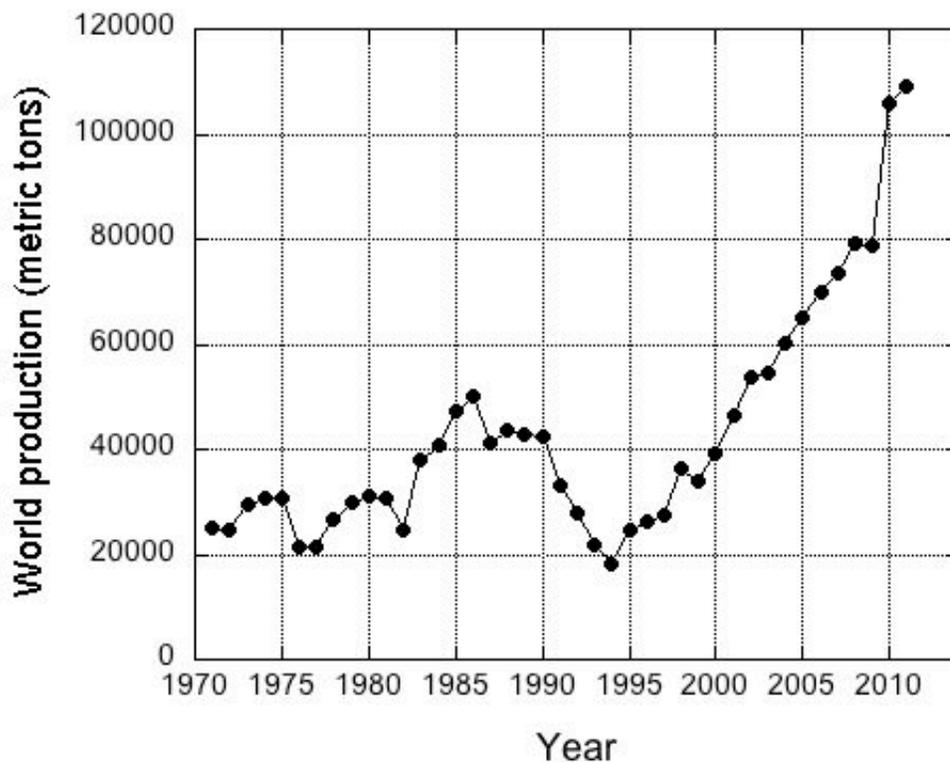
- a. More mining will ensue**
- b. Mines will shut down or slow operations

**Question #4** Based on the graph below, how much cobalt was produced worldwide in 2010?

- a. 120,000 metric tons
- b. 100,000 metric tons
- c. **Between 100,000 and 120,000 metric tons**
- d. Less than 100,000 metric tons

**Question #5** Based on the graph below, summarize how world production of cobalt changed between 1995 and 2010?

- a. **Production mostly increased**
- b. Production mostly decreased
- c. Production stayed about the same



Graph created by J. Branlund with data from: *Historical Statistics for Mineral and Mineral Commodities in the United States*. USGS Data Series 140. Available at <http://minerals.usgs.gov/ds/2005/140/>.