

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?

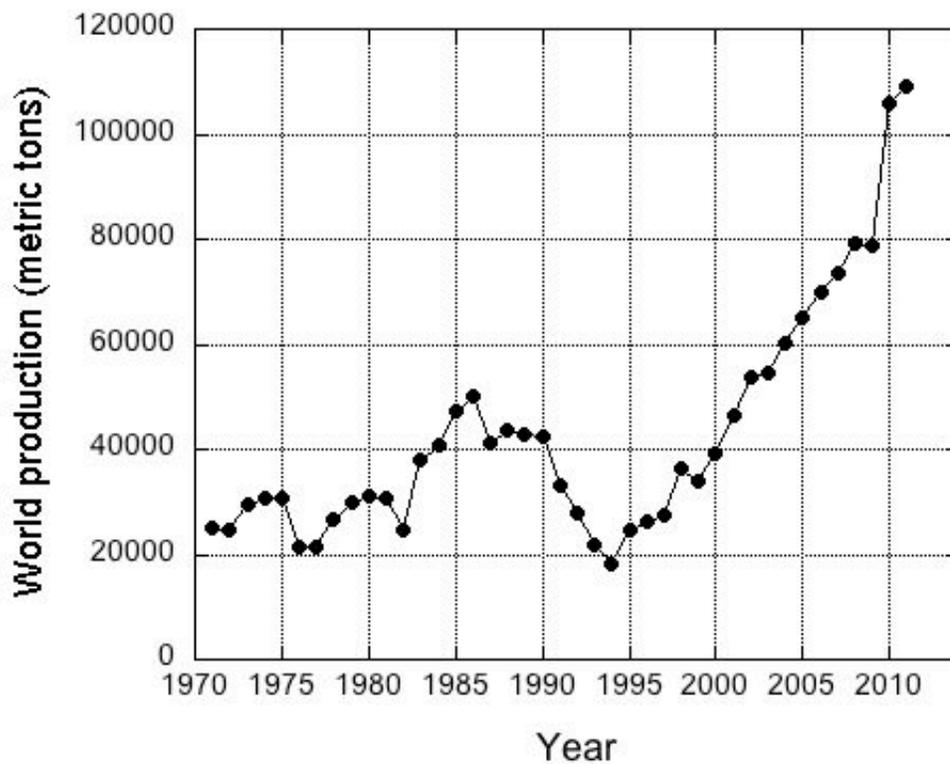
- a. More mining will ensue.
- b. Mines will shut down or slow operations.

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/>.