

## Answer on Question #43561 - Chemistry - Inorganic Chemistry

### Question:

Which of the following questions would most likely be investigated by a chemist?

Select one:

- a. How does the amount of vitamin D intake affect your risk of cancer?
- b. What coating would best slow down the reaction between concrete and saltwater?
- c. How could we best determine the age of a fossil containing rock layer?
- d. How fast must air bags deploy to prevent injury?

### Answer:

The second question:

**b.** What coating would best slow down the reaction between concrete and saltwater? would most likely be investigated by a chemist.

The reaction between concrete and saltwater as well as between saltwater and the coating are chemical processes, the subject of a chemist. The structure of the coating required to protect the concrete from the saltwater is also a problem of a chemist.

The question **a.** would be more likely investigated by medical scientist;

The question **c.** would be investigated by geologist or paleontologist but since it is related to radioactive decay it is a subject of a physicist specialized in this area;

The question **d.** is not related to chemical changes at all. It would be investigated by a physicist specialized in mechanics, namely dynamics.