

Quiz 31.1B

The activity of a sample of Iodine-131 is 0.355 Curies. The half-life of I-131 is 8.02 days. Assume the mass of a single atom of Iodine-131 is 131 u.

- a) How many grams of Iodine-131 are in this sample?
- b) After how many days will the activity of the sample be reduced to 0.0100 Curies?