



3. The half-life of strontium-90 is 28 years. How long will it take a 50-mg sample to decay to a mass of 32 mg.

4. After 3 days, a sample of radon-222 has decayed to 58% of its original amount.

(a) What is the half-life of radon-222 ?

(b) How long will it take the sample to decay to 20 % of its original amount ?