



Half-Life For example, suppose we had 20,000 atoms of a radioactive substance. If the half-life is 1 hour, how many atoms of that substance would be left		
Time	#atoms remaining	% of atoms remaining



Half-Life Practice

2. Gold-198 has a half-life of 2.7 days. How much of a 96 g sample of gold-198 will be left after 8.1 days?

Half-Life Practice

3. The half-life of Rn-222 is 3.823 day. If the original mass of a sample of this isotope is 0.20 g, how much of it remains after 7.646 days?

Half-Life Practice

4. Thallium-208 has a half-life of 3.053 min. How long will it take for 120.0 g to decay to 7.5 g?

Half-Life Practice

5. Polonium-214 has a relatively short half-life of 164 seconds. How many seconds would it take for 8.0 g of this isotope to decay to 0.25 g?





