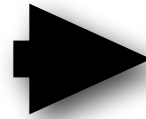
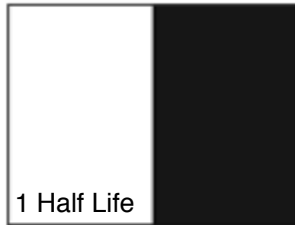
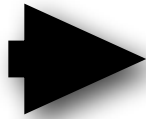


Radioactive Decay

Sample before decay



1. If the half life above is 5700 years, how many years have gone by? _____
2. In the example above, what percentage of original sample is left? _____
3. What isotope is used to date young, organic material? _____
4. Name an isotope used to date a trilobite fossil? _____
5. In the above example, if you start out with 1000 g of K40, how much Ar40 is left after 2 half lives? _____
6. In the previous example, how many years have passed over 2 half lives? _____

