**Radioactive Isotopes and**

**Half Lives.**

**Everything that has matter gives off radiation.**

**Certain types of radiation are harmful to plants and animals.**

**Matter that gives off beta or gamma rays (light that has a really high frequency) are harmful.**

**Isotope?**

**Some radioactive isotopes break down into their original form (Carbon 14 breaks down into Carbon 12).**

**The time that it takes for a radioactive isotope to break down into its original form is called its Half Life.**

**Half Lives are often used to determine the age of fossils or skeletons.**