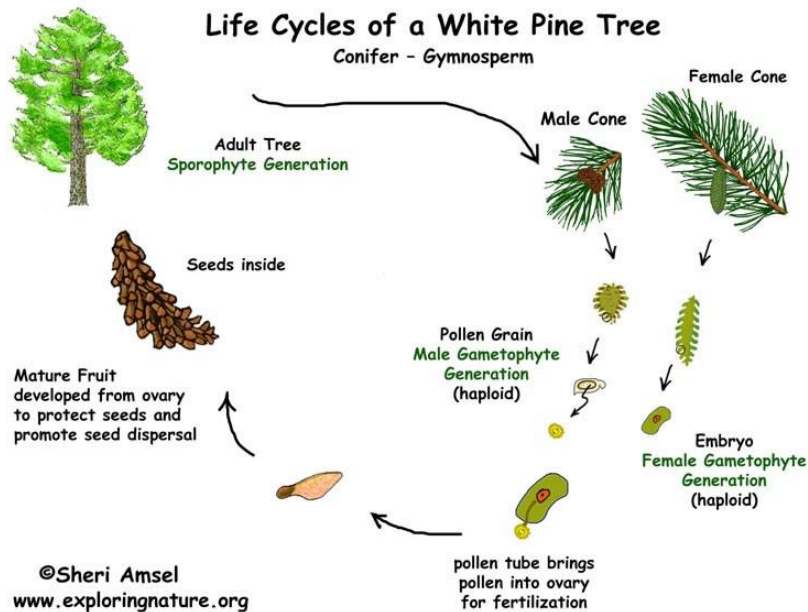


## Activity 1: Try some tree fun

Trees are a huge part of history and culture of the world. They help us tell time, find important climate events, and help the Earth provide oxygen. A tree's life cycle can be very long (the oldest tree is over 5000 years old!)

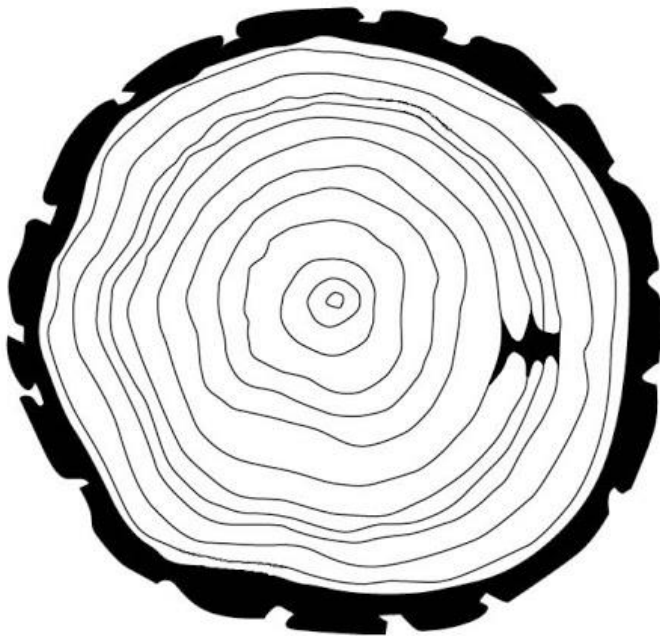
Here is the life cycle of a tree. Notice that it is a circle, so they are self-sufficient.



## Activity 2: Dig into the amazing science of trees

Trees grow in rings. Each ring in a tree stump is one year of life. But not all tree rings are the same size.

The size of a tree ring tells us about the climate and nutrition that this tree lived through during that year. If the ring is wide, that means the tree was given lots of sunlight and nutrients to grow. If the ring is smaller, it didn't receive the necessary nutrients. Looking at trees that lived hundreds of years ago, we can find climate patterns by looking at how large the tree rings are.



Now, let's look at the tree ring above. How old is this tree? Count the rings to find out! Let's say that this tree was planted in 2000. Write the correct year into each of the tree rings.

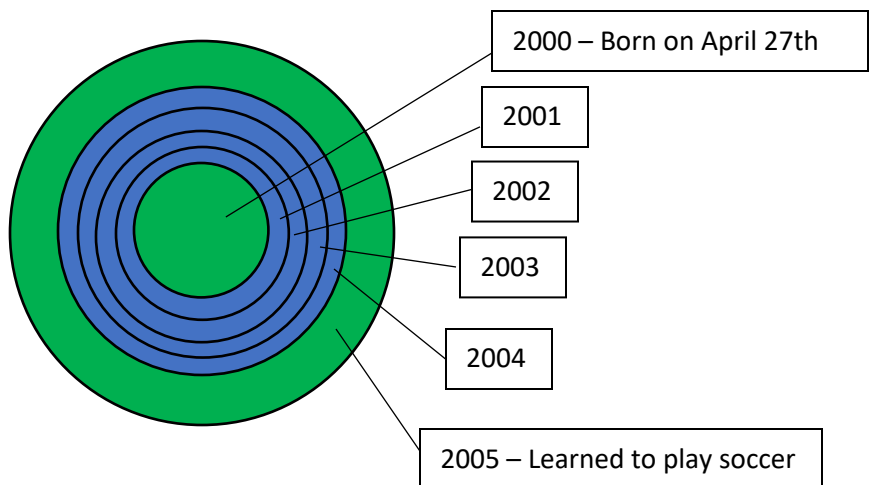
Which years were more nutrient rich? Which were less? Color the more nutrient rich rings green and the less nutrient rich rings blue!

### Activity 3: Make a creative project starring trees

Making tree rings for our lives is a fun way to see how we've grown. Now it's time to draw your own tree rings!

Draw the first circle for the year you were born. Then draw a ring for each year you've been alive. Think about the events in your life for each of those years. What would a nutrient rich life be for us? Would it be how much we grew? Big things happening those years? Here's an example of a "life tree"

Notice that the green rings are much bigger than the green. That tells us that those years had much more growth than others.



Now try one for your life! You can do it on the computer like the one above or you can draw it!

**Attention! You have completed part 1 of the Cadette Trees Badge. Part 2 will be part of next week's Grow From Home newsletter!**