Name: _____

Tree Ring Dating Simulation Worksheet

Sample	Age of Tree	Year Cut or Cored	Year Growth Began
1			
2			
3			
4			

1. Locate the tree ring(s) that represent the year of your birth. Which trees were alive when you were born?

   Which trees had been cut down before you were born?

2. What is the average rainfall in Flinnville?

3. Was the year of your birth a good growing year?

4. During which span of years did the worst growing conditions exist in Flinnville? Defend your answer.

5. What span of years saw the most consistently good growth years? Defend your answer.

6. Examine the tree growth rings in the 1950's. Would you characterize the 50's as:
   a. Relatively dry, poor growth conditions
   b. Wet to average growing conditions
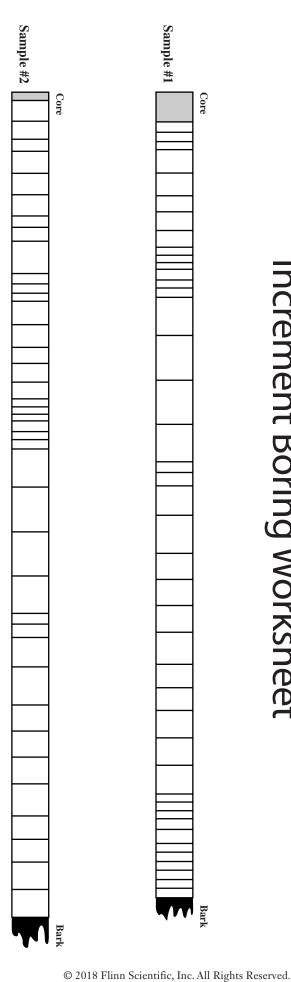   c. Very wet with excellent growing conditions
   Defend your answer.

7. Average rainfall data from 1946 and 1947 were lost. What is your best guess about the rainfall in these two years? Defend your answer.

Rainfall Data Worksheet

Year	Rainfall Amount (in.)	Year	Rainfall Amount (in.)	Year	Rainfall Amount (in.)
1942	15.9	1963	13.7	1984	23.1
1943	17.3	1964	23.0	1985	21.8
1944	18.9	1965	24.7	1986	25.6
1945	21.7	1966	18.3	1987	20.9
1946		1967	21.7	1988	19.7
1947		1968	17.8	1989	24.8
1948	10.7	1969	11.7	1990	33.6
1949	11.3	1970	10.8	1991	36.1
1950	9.8	1971	9.9	1992	11.3
1951	19.1	1972	12.1	1993	10.9
1952	22.1	1973	11.3	1994	12.4
1953	25.0	1974	12.3	1995	11.8
1954	22.3	1975	36.7	1996	13.7
1955	20.2	1976	38.4	1997	11.2
1956	21.3	1977	34.6	1998	10.8
1957	20.7	1978	33.7	1999	-9.8
1958	10.9	1979	15.4	2000	12.1
1959	14.3	1980	18.9	2001	10.7
1960	34.3	1981	29.4	2002	11.7
1961	19.1	1982	37.1		
1962	14.1	1983	22.8		

Increment Boring Worksheet

Sample #1

Core

Bark

Sample #2

Core

Bark

Sample #3

Core

Bark

Sample #4

Core

Bark