After 5 hours there are 24,300 bacteria present.

The population reaches 10,000 after \$ 4.19 hours

After 12 months there are 20,736,000 cases

There will be 172,800 Cases after 8 hours

$$K = \frac{\ln(.81)}{2} \approx -0.105$$
 Explain why K's value is negative

The car will be valued at roughly \$ 10,762 after 8 years

4. Solution 
$$y(t) = y(0) \cdot 2^{\frac{-t}{5730}}$$

Death occurred \$ 19,035 years ago.