

Name _____

Population Assignment

1. The population of fish in a lake is declining at a rate of 2% per year. Given that there are currently 3000 fish in the lake, how many fish will there be in 5 years?

2. A herd of 100 moose live in a nature reserve. The moose population is doubling every 5 years. What will the population be in 25 years?

3. There are currently 300 bacteria in a petri dish. There will be 2052 bacteria in 33 minutes. What is the growth rate for the bacteria?

4. A town's population is decreasing at a rate of 8% annually. There are currently 45 000 in the town. When will there be 20 000 people in the town?