Name: Date:

**Science 10: Examples of Natural Selection**

1. ***Peppered Moth***

What colour were most moths before the industrial revolution?

What colour were most moths after the industrial revolution?

Why would the industrial revolution have an effect on the colour of the moths? Be as detailed as you can.

1. ***Deer Mice***

What colour are most deer mice in North America?

How have the deer mice adapted to live on the sand dunes in Nebraska? Why would this be naturally selected for? Be specific about what the environmental pressures are.

1. ***Peacock***

Why did Darwin struggle with Peacocks fitting into his theory of natural selection?

What evolutionary advantage to the bright feathers of a peacock provide?

1. ***Bacteria (antibiotic resistance)***
What is an antibiotic?

What causes antibiotic resistance? Be specific about what happens to the population of bacteria.

Why is antibiotic resistance an issue?