**Pre-Lesson Worksheet**

The questions below pertain to the tiger shown in this photograph.

Image source: 2004 Monika Betley, Wikimedia Commons   
<http://commons.wikimedia.org/wiki/File:Panthera_tigris_sumatran_subspecies.jpg>

1. What determines the color of the tiger’s coat?
2. If the DNA sequence were to change, what would this be called?
3. Explain how a mutation could cause this tiger to have a white coat instead of an orange coat.