

Blue Moon Cruises
Correlation to Tennessee *Life Science* High School Standards

2.0 Ecological Interactions	5.0 Classification & Environmental Diversity	6.0 Biological Evolution
<p>2.1 abiotic/biotic factors</p> <p>2.2 populations, communities, ecosystems</p> <p>2.3 flow of nutrients</p> <p>2.4 food chains/webs</p> <p>2.5 autotrophs/heterotrophs</p> <p>2.6 symbiotic relationships</p> <p>2.7 human activities and balance of ecosystem</p>	<p>5.1 designing classification system</p> <p>5.2 compare systems of classification</p> <p>5.3 native organisms</p> <p>5.4 life cycles of plants and animals</p>	<p>6.4 environmental change to natural selection</p>
<p style="text-align: center;">Additional Activities</p> <ul style="list-style-type: none"> • Make an ecological pyramid. Label each level • How many different food chains can you make? • Make a chart of producers, herbivores, carnivores. • Make a chart listing how many food chains each item in the above list is included. • Based on the food chains and the chart, what is the top carnivore in this food web? 	<p style="text-align: center;">Additional Activities</p> <ul style="list-style-type: none"> • Classify organisms, given a dichotomous key containing characteristics of the organisms. • Infer the need for a biological classification system. 	<p style="text-align: center;">Additional Activities</p> <ul style="list-style-type: none"> • Predict how environmental change can contribute to the emergence of a new species or the extinction of an existing species. • Infer how natural selection explains why species with a common ancestor have adapted differently.