

# Pre-Class and Post-Class Activities

## Structures & Functions

**Note:** The following discussions are completely optional and are not required for participation in the Structures & Functions class. This information is provided as ways to build on this class and to be used at your discretion.

### **Pre-Class Discussions:**

We will be discussing the different cat features and adaptations and how they help them, focusing on their internal and external structures that function to support survival, growth, behavior, and reproduction. To prepare, have students define the following: ecosystem, adaptation, specialization, sense receptors, survival, growth, behavior, and camouflage.

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### **Post Class Discussions:**

We have discussed different adaptations of specific cat species; namely the cheetah, the jaguar, the snow leopard and the tiger. Have students choose one of these cats and research their environments and survival adaptations. Students will create a diorama showcasing the environment of their cat (cat must be included). Have them present their diorama to the class and describe why they chose the cat they studied and how/why their specific adaptations work in their environments. Have them be specific.