## Adventure Guide – Desert Dining

<table>
<thead>
<tr>
<th>Target Grade(s):</th>
<th>1st-3rd</th>
<th>Time:</th>
<th>2 Hours</th>
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### Theme:
Life on earth depends on energy from the Sun or energy from other organisms to survive.

### Desired Outcomes:
Students will be able to —

1. Describe that a habitat is made up of the space where an organism can find the food, water and shelter it needs to survive.
2. Explain that living things rely on other living things or the sun to survive.
3. Predict what would happen if one part of a food web/chain disappears.
4. Identify some plants and animals that exist in the local environment.
5. Identify the Sonoran Desert as the ecosystem in which they live.
6. Describe the characteristics of a desert environment.

### Key Vocabulary:
- energy
- producer
- consumer
- herbivore
- carnivore
- omnivore
- food chain
- food web
- decomposer

### Cross Cutting Concepts:
Energy and Matter, Systems and System Models

### Science and Engineering Practices:
- Asking questions and defining problems, developing and using models, constructing explanations, engaging in argument from evidence, obtaining, evaluating and communicating information

### Arizona Science Standards:

1. **L2U2.7** – Develop and use models about how living things use resources to grow and survive.
2. **L2U1.10** – Develop a model representing how life on Earth depends on energy from the Sun and energy from other organisms.
3. **L2U1.7** – Develop and use system models to describe the flow of energy from the Sun to and among living organisms.
4. **L3U1.8** – Construct an argument from evidence that organisms are interdependent.

### Field Trip Activities:
- Dissect “scat” to figure out if the organism is an herbivore, carnivore or omnivore.
- Act like a pocket mouse, but don’t get eaten by the Owl.
- Make a food web.