<table>
<thead>
<tr>
<th>Type of organism</th>
<th>Animal</th>
<th>Animal</th>
<th>Animal</th>
<th>Animal</th>
<th>Animal</th>
<th>Algae</th>
<th>Algae</th>
<th>Animal</th>
<th>Animal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Habitat</td>
<td>Lake, shoreline/littoral zone</td>
<td>Jumper legs, spines</td>
<td>Lake, shoreline/littoral zone</td>
<td>Lake, shoreline/littoral zone</td>
<td>Pond</td>
<td>Lake, shoreline/littoral zone</td>
<td>Pond</td>
<td>Lake, bottom/benthic zone</td>
<td>Lake, bottom/benthic zone</td>
</tr>
<tr>
<td>Physical features</td>
<td>Fins, fur, venom</td>
<td>Jumper legs, spines</td>
<td>Glides on slime, camouflage</td>
<td>No limbs, eyes on stalks, toxic</td>
<td>6 legs, exoskeleton</td>
<td>Colonial, microscopic</td>
<td>Symbiotic (lives in a snail)</td>
<td>Crustacean, parasitic</td>
<td>4 legs, gills, spines</td>
</tr>
<tr>
<td>Energy/feeding</td>
<td>Big teeth</td>
<td>Traps food</td>
<td>Ambush predation</td>
<td>Filter feeder</td>
<td>Mucous net</td>
<td>Photosynthetic</td>
<td>Photosynthetic</td>
<td>Sucking tube</td>
<td>Large claws</td>
</tr>
<tr>
<td>Reproduction</td>
<td>Keep eggs with you</td>
<td>External fertilization of eggs</td>
<td>Asexual via budding</td>
<td>Eggs with a hard shell</td>
<td>Eggs with a hard shell</td>
<td>Asexual via cell division</td>
<td>Asexual spores</td>
<td>Planktonic eggs</td>
<td>Soft eggs (no shell)</td>
</tr>
<tr>
<td>Dispersal</td>
<td>Swims</td>
<td>Planktonic larvae</td>
<td>Carried/transported by humans</td>
<td>Animal sticks to fur &amp; feathers</td>
<td>Can crawl over land</td>
<td>Floating mats</td>
<td>Eaten by birds and excreted</td>
<td>Water currents</td>
<td>Eggs stick to waterfowl feathers</td>
</tr>
</tbody>
</table>
### Adaptation Cards

#### Type of organism: Animal
- **Habitat:** Lake, bottom/benthic zone
- **Physical features:** Flatworm, toxic
- **Energy/food:** Filter feeder
- **Reproduction:** Asexual via budding
- **Dispersal:** Eaten by fish and excreted

#### Type of organism: Animal
- **Habitat:** Lake, bottom/benthic zone
- **Physical features:** Flat body, fins, big teeth
- **Energy/food:** Poisons prey
- **Reproduction:** Keep eggs on body
- **Dispersal:** Swims

#### Type of organism: Plant
- **Habitat:** Lake, bottom/benthic zone
- **Physical features:** Rooted, grows in dense stands
- **Energy/food:** Photosynthetic
- **Reproduction:** Sexual via flowers
- **Dispersal:** Seeds stick to fur

#### Type of organism: Plant
- **Habitat:** Lake, bottom/benthic zone
- **Physical features:** Grows in thick mats, slimy
- **Energy/food:** Photosynthetic
- **Reproduction:** Asexual via cell division
- **Dispersal:** Fragments when disturbed

#### Type of organism: Animal
- **Habitat:** Wetland
- **Physical features:** Sticky tongue, scales
- **Energy/food:** Scare tactic (you choose)
- **Reproduction:** Live births
- **Dispersal:** Can fly

#### Type of organism: Animal
- **Habitat:** Wetland
- **Physical features:** Insect, 6 legs, gills
- **Energy/food:** Absorbs food through skin
- **Reproduction:** Males carry eggs
- **Dispersal:** Attaches itself to birds

#### Type of organism: Plant
- **Habitat:** Wetland
- **Physical features:** Long thin leaves, dense mats
- **Energy/food:** Photosynthetic
- **Reproduction:** Sexual via emergent flowers
- **Dispersal:** Wind disperses tiny seeds

#### Type of organism: Plant
- **Habitat:** Wetland
- **Physical features:** Stems w/spines, Fine leaflets
- **Energy/food:** Photosynthetic
- **Reproduction:** Sexual via submerged flowers
- **Dispersal:** Seeds with hooks

#### Type of organism: Animal
- **Habitat:** Slow-moving areas of a river
- **Physical features:** Amphibian, warning coloration
- **Energy/food:** Venom spiked tail
- **Reproduction:** Keeps eggs on body
- **Dispersal:** Animal sticks to fur & feathers

#### Type of organism: Animal
- **Habitat:** Slow-moving areas of a river
- **Physical features:** Crustacean
- **Energy/food:** Filter feeder
- **Reproduction:** External fertilization
- **Dispersal:** Planktonic larvae

#### Type of organism: Plant
- **Habitat:** Slow-moving areas of a river
- **Physical features:** Wide leaves, sticky stems
- **Energy/food:** Photosynthetic
- **Reproduction:** Sexual via flowers
- **Dispersal:** Sticks to animals

#### Type of organism: Plant
- **Habitat:** Slow-moving areas of a river
- **Physical features:** Wide leaves with sticky hairs
- **Energy/food:** Photosynthetic
- **Reproduction:** Asexual buds from roots
- **Dispersal:** Buds float and drift

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### Amazing AIS Adaptations

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<th>Animal</th>
<th>Animal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Habitat</td>
<td>Lake, open water/limnetic zone</td>
<td>Lake, open water/limnetic zone</td>
<td>Lake, deep water/aphotic zone</td>
<td>Lake, deep water/aphotic zone</td>
<td>Lake, deep water/aphotic zone</td>
<td>Lake, open water/photic zone</td>
<td>Fast-moving stream</td>
<td>Fast-moving stream</td>
<td>Lake, deep water/aphotic zone</td>
</tr>
<tr>
<td>Physical features</td>
<td>Fins, scales, large mouth</td>
<td>Jumps out of water</td>
<td>Eyes on stalks, fins, big teeth</td>
<td>Eyes on stalks, fins, big teeth</td>
<td>Fur, fins, big teeth</td>
<td>Forms chains, toxic</td>
<td>Long stringy strands, fine spines</td>
<td>Fur, fins, big teeth</td>
<td>8 legs, spotted, poisonous</td>
</tr>
<tr>
<td>Energy/food</td>
<td>Jumps out of water</td>
<td>External fertilization of eggs</td>
<td>Scare tactic (you choose)</td>
<td>Scare tactic (you choose)</td>
<td>Swallows prey whole</td>
<td>Photosynthetic</td>
<td>Bubble net to trap food</td>
<td>Swallows prey whole</td>
<td>Stuns prey</td>
</tr>
<tr>
<td>Reproduction</td>
<td>External fertilization of eggs</td>
<td>Water currents</td>
<td>External fertilization of eggs</td>
<td>External fertilization of eggs</td>
<td>Live births</td>
<td>Asexual via cell division</td>
<td>Asexual fragmentation</td>
<td>Eggs with no shell</td>
<td></td>
</tr>
<tr>
<td>Dispersal</td>
<td>Water currents</td>
<td>Carried/transported by humans</td>
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<td>Fragmentation</td>
<td>Attaches to fish</td>
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