

**Round: ExtraB**

1. Referring to Figure 1, list and describe four (4) major types of coastal habitats found around Florida. Then describe their composition and one (1) ecosystem service (whether biological or economic) each provides.

Type (1 pt each)	Composition (2 pts each)	Ecosystem Service Provided (2 pts each)
<i>Barrier Islands (1 pt)</i>	<i>Large bodies of unconsolidated sand (2 pts)</i>	<i>They act as barriers between the open ocean and the mainland coast OR serve as a food source for migrating shorebirds OR are a major tourist attraction (2 pts)</i>
<i>Marshes (1 pt)</i>	<i>Thick areas of coastal (non-woody) vegetation (2 pts)</i>	<i>They act as nurseries for juvenile marine organisms OR help to protect the coast line OR filter pollution out of water OR play a role in cycles of nitrogen and sulfur (2 pts)</i>
<i>Mangroves (1 pt)</i>	<i>Tropical, thick rooted tree systems (2 pts)</i>	<i>Protect coastlines OR harbor juvenile fishes OR serve as habitat for attached organisms (2 pts)</i>
<i>Coral reefs (1 pt)</i>	<i>Large structures composed of aragonite or calcium carbonate produced by living organisms (2 pts)</i>	<i>Areas of major biodiversity OR serve as habitat for economically important species OR major sources of tourist income OR serve as a barrier against storm waves (2 pts)</i>