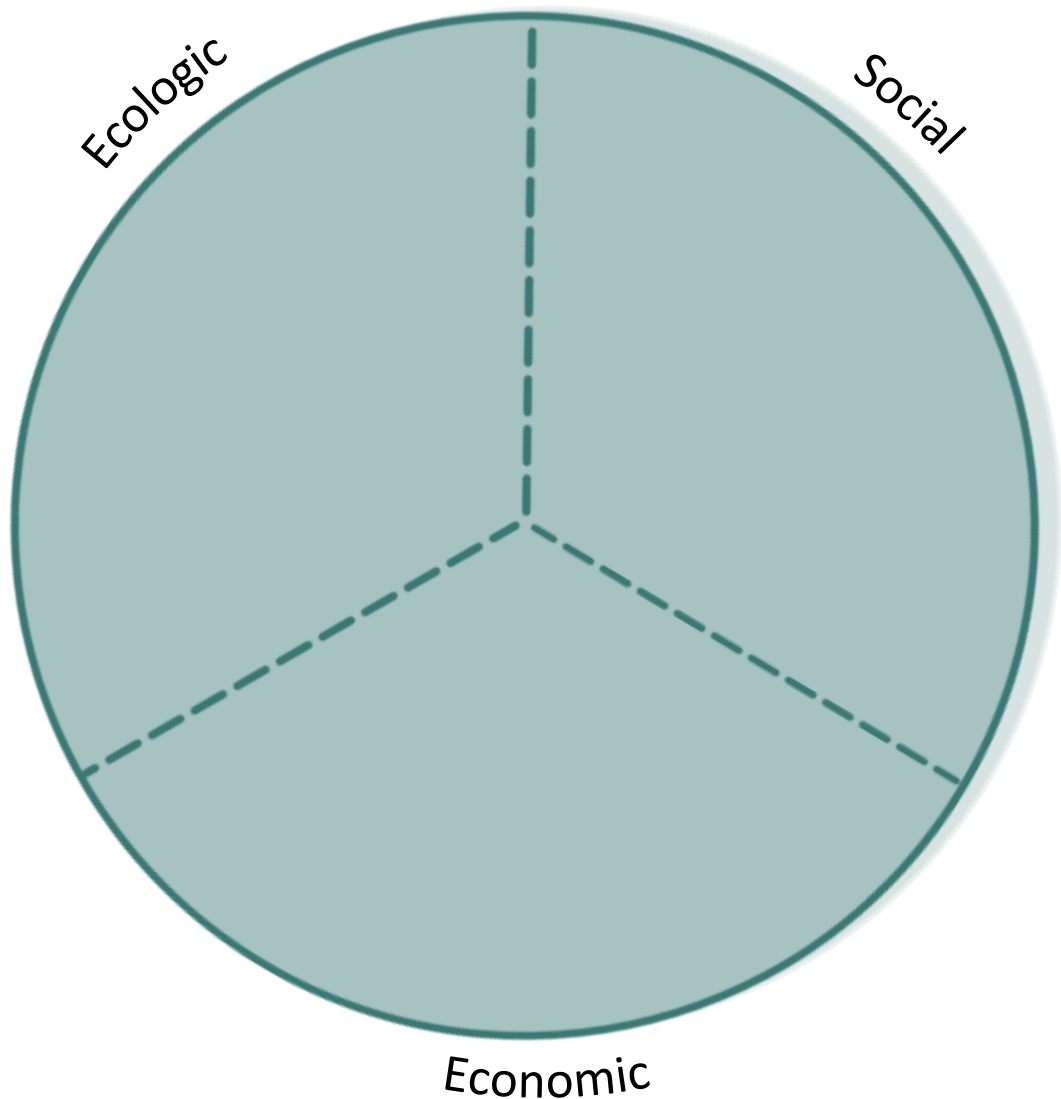
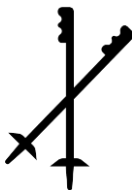
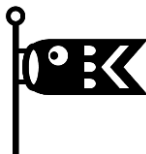


Put the ecosystem service/benefit in its correct slice (some may overlap)



- | | | |
|--|--|---|
| <ul style="list-style-type: none">• Seafood industry• Ecotourism• Food web• Erosion control• Biodiversity• Recreation• Jobs• Sense of place• Wildlife habitat area | <ul style="list-style-type: none">• Art material/inspiration• Wind/wave buffer• Carbon storage• Decomposition• Commercial fishing• Restoration efforts• Fish nursery• Property value• Aesthetics | <ul style="list-style-type: none">• Subsistence fishing• History/heritage• Education• Rookery• Adjacent habitat support• Dissolved oxygen levels• Scientific opportunity/research |
|--|--|---|

Bingo hints... think about how mangroves might relate to these symbols:



Jobs, culture, ecologic factors, research, tourism, education, health, habitat, coastal resilience, etc.

Bingo Rules

- Find (or imagine) something that...
- Fill in what you saw or have learned before
- Can be anything within the mangrove ecosystem (mangrove forest & surrounding waters)
- Each box MUST have something filled in to count
- Options for bonus points with extra details/descriptions (up to teacher)
- Can repeat answers
- Can use 'mangrove' in the answer but need elaboration
- Can be in groups (depending on class)
- Ask for help

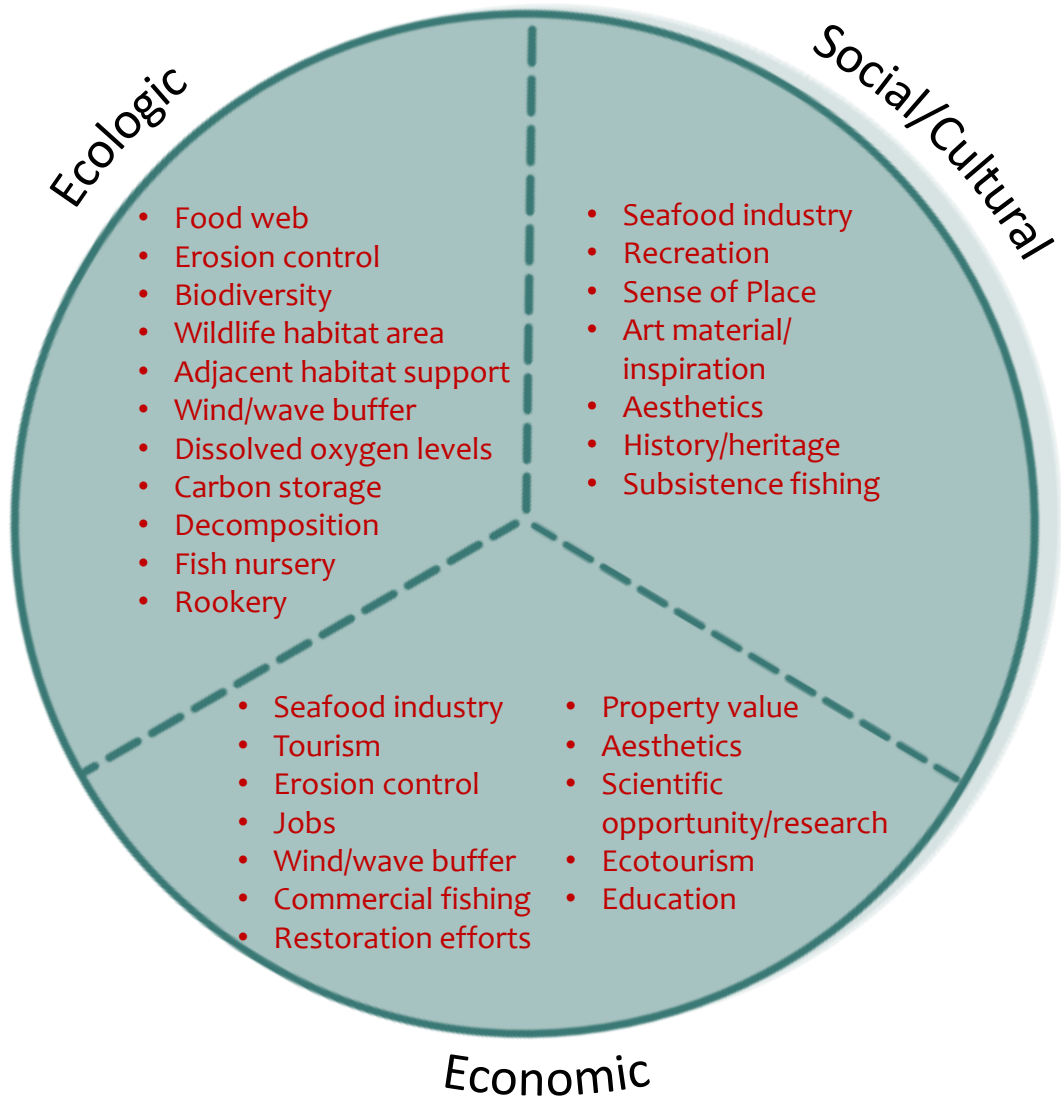
Find (or imagine) something that...

Ecosystem Services!

	B	I	N	G	O
1	Provides food to humans:	Has economic value (\$):	Can be a group/ social activity:	Can help reduce erosion:	Can be used as raw materials (for building or fuel etc.):
2	Provides part of/ a recreation activity:	Could be a restoration opportunity:	Betters water quality:	Can be used as a source of energy:	Offers a physical activity opportunity:
3	Can inspire art:	Could be a community activity:		Helps buffer waves:	Bird sighting:
4	Is surrounding habitat:	Fish sighting:	Provides a recreation job:	Provides an education opportunity:	Helps commercial fishing industry:
5	Shellfish/ crustacean sighting:	Is involved in nutrient cycling:	Could be a science project idea:	Something you like about this habitat:	Mammal sighting:

Put the ecosystem service/benefit in its correct slice (some may overlap)

KEY



- | | | |
|-------------------------|----------------------------|-----------------------------------|
| • Seafood industry | • Art material/inspiration | • Subsistence fishing |
| • Ecotourism | • Wind/wave buffer | • History/heritage |
| • Food web | • Carbon storage | • Education |
| • Erosion control | • Decomposition | • Rookery |
| • Biodiversity | • Commercial fishing | • Adjacent habitat support |
| • Recreation | • Restoration efforts | • Dissolved oxygen levels |
| • Jobs | • Fish nursery | • Scientific opportunity/research |
| • Sense of place | • Property value | |
| • Wildlife habitat area | • Aesthetics | |

Bingo hints... think about how mangroves might relate to these symbols:

KEY



Water quality



Storm surge protection



Boat fishing/tour captain



Education opportunities



Revenue, good economy



Bird watching



Shellfish habitat



Swimming



Wildlife viewing



Large fish
catch/viewing



Kayaking



Erosion prevention



Science/research jobs



Fish nursery



Shellfish for food



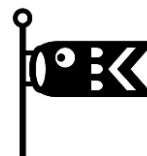
Art inspiration



Restaurant goods



Nutrient cycling



Festivals



Science



Research



Human nutrition



Tourism



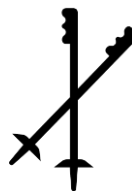
Restoration



Restaurant jobs



Boating



Hiking/Nature walks

Jobs, culture, ecologic factors, research, tourism,
education, health, habitat, coastal resilience, etc.



Find or imagine something that... (Each box MUST have sometime filled in to count...Can repeat answers and use 'mangrove' in the answer....More details=better)

**K
E
Y**

Ecosystem Services!

B	I	N	G	O
Provides food to humans: Fish Shellfish	Has economic value (\$): Wood Property protection Fish/food Jobs Ecotourism Restoration	Can be a group/ social activity: Kayaking Nature walks Paddle boarding Fishing Boating	Can help reduce erosion: Roots-trap sediment Nearby habitats-sea grass, oysters	Can be used as raw materials (for building or fuel etc.): Wood (any tree parts)
Provides a recreation activity: Kayaking Swimming Paddle boarding Fishing Boating	Could be a restoration opportunity: Dead/sick mangrove removal Plant new mangroves	Better water quality: Sediment trapping Filter pollutants Reduce algae	Can be used as a source of energy: Burn for fuel Consuming organisms that inhabit the area	Offers a physical activity opportunity: Kayaking Nature walks Paddle boarding Fishing Swimming
Can inspire art: Pretty much anything	Could be a community activity: Restoration Clean-up Nature walks/viewing	FREE SPACE  FREE SPACE	Helps buffer waves: Roots	Bird sighting: Any
Is surrounding habitat: Salt marsh Sea grass Coral reefs Freshwater lagoon/pond	Fish sighting: Any	Provides a recreation job: Kayaking Paddle boarding Fishing Boating Any guided tours	Provides an education opportunity: RBNERR Ecotourism Field-trips Many others	Helps commercial fishing industry: Nursery grounds Improves water quality Tourism
Shellfish sighting: Any	Is involved in nutrient cycling: Roots absorb nutrients Organisms decompose	Could be a science project idea: Wide range	Something you like about this habitat: Any	Mammal sighting: If none, just put a correct answer