

Preston Hudlow

Lab 7

BIOL 420

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Marine Species Dichotomous Key

1. a) Position of the mouth is superior.....go to 2
b) Position of the mouth is not superior.....go to 5

2. a) Has a concave snout profile.....go to 3
b) No snout present..... go to 4

3. a) Has a plain body color pattern.... *Selene vomer* (lookdown (H))
b) Has a complex body color pattern.... *Cynoscion regalis* (Weakfish (M))

4. a) Upper jaw teeth shape has a simple point.... *Trinectes maculatus* (Hogchoker (F))
b) Upper jaw teeth shape is multicuspid.... *Symphurus plagiusa* (Blackcheek tongue fish (I))

5. a) Snout profile is straight.... go to 6
b) Snout profile is not straight...go to 10

6. a) Has a plain body color pattern.... Go to 7
b) Has a complex body color pattern.... Go to 8

7. a) Upper jaw teeth shape has a simple point.... *Anchoa mitchilli* (Bay Anchovy (L))
b) Upper jaw teeth shape has a simple blunt.... *Menidia menidia* (Atlantic Silverside (D))

8. a) Upper jaw teeth shape has a simple point...go to 9
b) Upper jaw teeth shape has a simple blunt.... *Dorosoma petenense* (Threadfinshad (B))

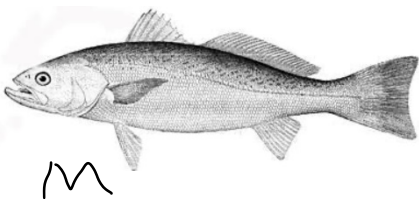
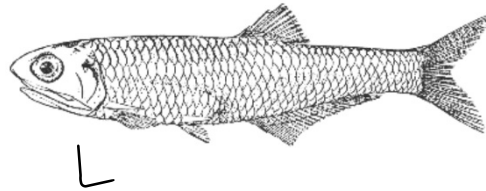
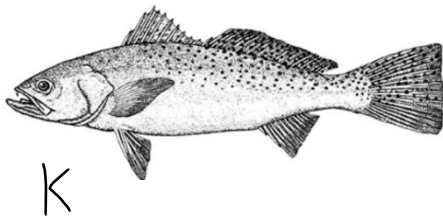
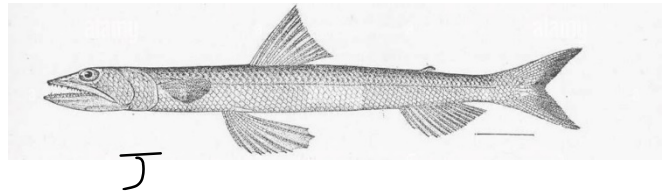
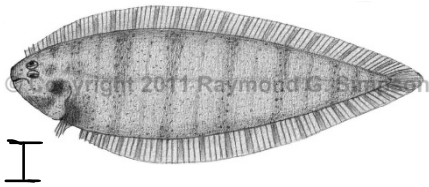
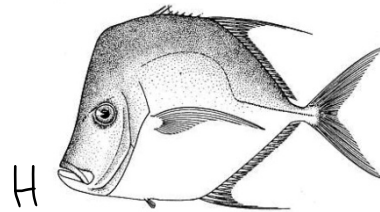
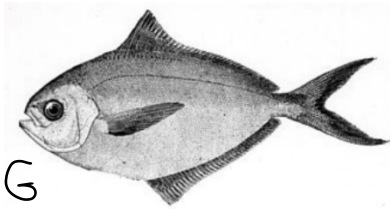
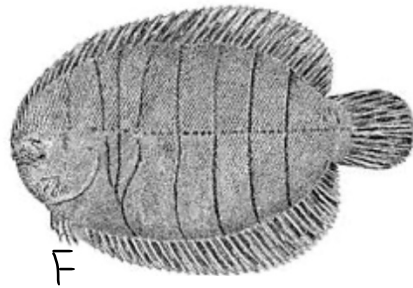
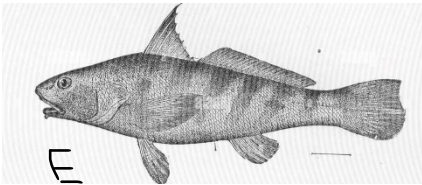
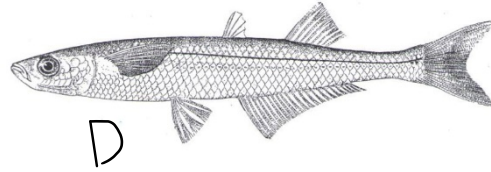
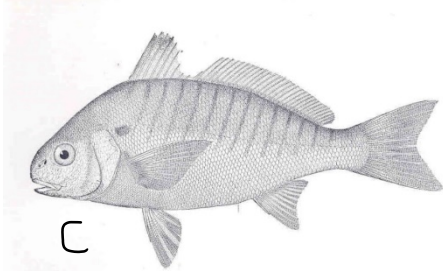
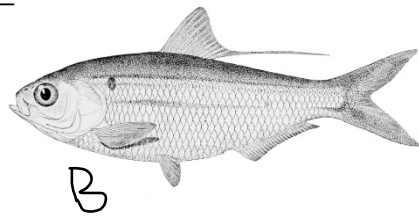
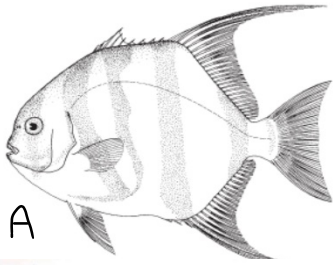
9. a) Shade of body background color is light.... *Cynoscion nebulosus* (Spotted Sea Trout (K))
b) Shade of body background color is dark.... *Synodus foetens* (Inshore Lizard Fish (J))

10. a) Has a plain body color pattern.... Go to 11
b) Has a complex body color pattern.... *Leiostomus xanthurus* (Spot (C))

11. a) Position of the mouth is terminal.... Go to 12

- b) Position of the mouth is Inferior.... *Menticirrhus americanus* (Southern Kingfish (E))
- 12. a) Total gill rakers on first arch are > 20*Peprilus triacanthus* (American Butterfish (G))
- b) Total gill rakers on first arch are < 10*Chaetodipterus faber* (Atlantic Spade fish (A))

Marine Fishes



Marine Fishes Key

Species Name

Common Name

A. <i>Chaetodipterus faber</i>	Atlantic Spade fish
B. <i>Dorosoma petenense</i>	Threadfinshad
C. <i>Leiostomus xanthurus</i>	Spot
D. <i>Menidia menidia</i>	Atlantic silverside
E. <i>Menticirrhus americanus</i>	Southern kingfish
F. <i>Trinectes maculatus</i>	Hogchoker
G. <i>Peprilus triacanthus</i>	American butterfish
H. <i>Selene vomer</i>	Lookdown
I. <i>Symphurus plagiusa</i>	Blackcheek tonguefish
J. <i>Synodus foetens</i>	Inshore lizardfish
K. <i>Cynoscion nebulosus</i>	Spotted sea trout
L. <i>Anchoa mitchilli</i>	Bay Anchovy
M. <i>Cynoscion regalis</i>	Weakfish

Freshwater Dichotomous Key

1. a) Position of the mouth is Terminal.....go to 2
b) Position of the mouth is superior.....go to 5

2. a) Has simple point tooth shape.....*Lepomis gulosus* (Warmouth)
b) Has simple blunt tooth shape..... go to 3

3. a) Has a complex body color pattern....*Lepomis auratus* (Redbreast Sunfish)
b) Has a plain body color pattern.... Go to 4

4. a) Length of the dorsal base is <45.... *Lepomis microlupus* (Red Ear Sunfish)
b) Length of the dorsal base is >60.... *Lepomis macrochirus* (Bluegill)

5. a) Has a light shade of body background color.... *Pomoxis nigromaculatus* (Black crappie)
b) Has a dark shade of body background color... *Micropterus salmoides* (Largemouth Bass)