

# EP High School

# Oceanography

## Printables:

## Levels 9-12



This book belongs to:

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# Grading Sheet: Quarter 1

Oceanography with Lab

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Record your scores on the sheet below as the assignments instruct you to do so.

Date	Lesson	Assignment	My Score	Possible Score
	2	Paragraph		5
	3	Map		5
	4	Paragraphs		10
	5	Worksheet		10
	6	Worksheet		10
	7	Worksheet		16
	8	Quiz		10
	8	Quiz		11
	10	Graph		5
	11	Lab		10
	12	Question		5
	13	Naming assignment		16
	14	Lab		100
	15	Test		30
	16	Observations		7
	19	Model		20
	24	Lab		50
	25	Worksheet		10
	26	Worksheet		10
	27	Worksheet		10
	29	Lab		25
	30	Online Lab		17
	34	Online Lab		38
	36	Worksheet		10
	37	Lab		100
	38	Lab		50
	39	Activity		10
	40	Test		24
	44	Presentation		15
	45	Experiment		25
			TOTAL	

# Grading Sheet: Quarter 2

Oceanography with Lab

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Record your scores on the sheet below as the assignments instruct you to do so.

Date	Lesson	Assignment	My Score	Possible Score
	46	Questions		15
	47	Activity		30
	48	Lab		50
	49	Quiz		11
	56	Activity		50
	57	Activity		27
	59	Lab		100
	63	Paragraph		5
	76	Paragraph		5
	77	Paragraph		5
	78	Experiment		25
	79	Questions		10
	80	Test		45
	81	Activity		15
	85	Lab		40
	88	Brochure		100
	90	Oral Presentation		25
			TOTAL	

# Grading Sheet: Quarter 3

Oceanography with Lab

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Record your scores on the sheet below as the assignments instruct you to do so.

Date	Lesson	Assignment	My Score	Possible Score
	91	Questions		10
	92	Mini Oral Report		20
	94	Mini Oral Report		20
	95	Activity		10
	96	Mini Oral Report		20
	97	Paragraph		10
	98	Food Web		14
	101	Power Point		90
	103	Test		25
	107	"I Didn't Know..."		90
	108	Article Summary		15
	110	Lab		100
	111	Virtual Lab		35
	112	Paragraph		5
	115	Vocabulary		5
	121	Population Estimation		35
	124	Quiz		25
	127	Oral Presentation		100
	130	Essay		25
			TOTAL	

# Grading Sheet: Quarter 4

Oceanography with Lab

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Record your scores on the sheet below as the assignments instruct you to do so.

Date	Lesson	Assignment	My Score	Possible Score
	136	Outline		20
	137	Questions		10
	138	Quiz		16
	140	Ichthyologist		25
	143	Fish lab		25
	143	Quiz		22
	150	Report		100
	151	Questions		13
	152	Data Analysis		9
	153	Data Analysis		9
	154	Data Analysis		9
	155	Data Analysis		24
	156	Data Analysis		12
	157	Data Analysis		9
	158	Coastline Activity		17
	159	Drawings		8
	180	Media Campaign		100
	180	Final		100
			TOTAL	

# Lesson 5: What is Oceanography?

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## The Branches of Oceanography

Complete the chart by listing the four branches of oceanography and describing what is studied for each branch.

Branch	Topics Studied

1. Under which branch would one study the ocean floor?
2. Under which branch would one study marine organisms?
3. Under which branch would one study the water cycle?
4. Under which branch would one study salinity?
5. Under which branch would one study the Coriolis Effect?
6. Under which branch would one study plate tectonics?

# Lesson 5: What is Oceanography? (cont.)

Oceanography with Lab

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## **The Origin of the World Ocean**

Answer each question from both a young earth and an evolutionary view.

1. How old is the Earth?
2. Where did the Earth's surface water come from?
3. Are the ocean and present atmosphere "leftovers" from the original atmosphere?
4. How might the Earth be different if an ocean had not formed on its surface?

## **The Ocean Basins**

1. What percentage of the Earth is covered by ocean?
2. What are the Earth's basins?
3. Name the Earth's oceans.
4. Which is the largest ocean?
5. What is the difference between an ocean and a sea?

## Lesson 5: What is Oceanography? (cont.)

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6. What is the deepest point in the ocean? In which ocean does it lie?

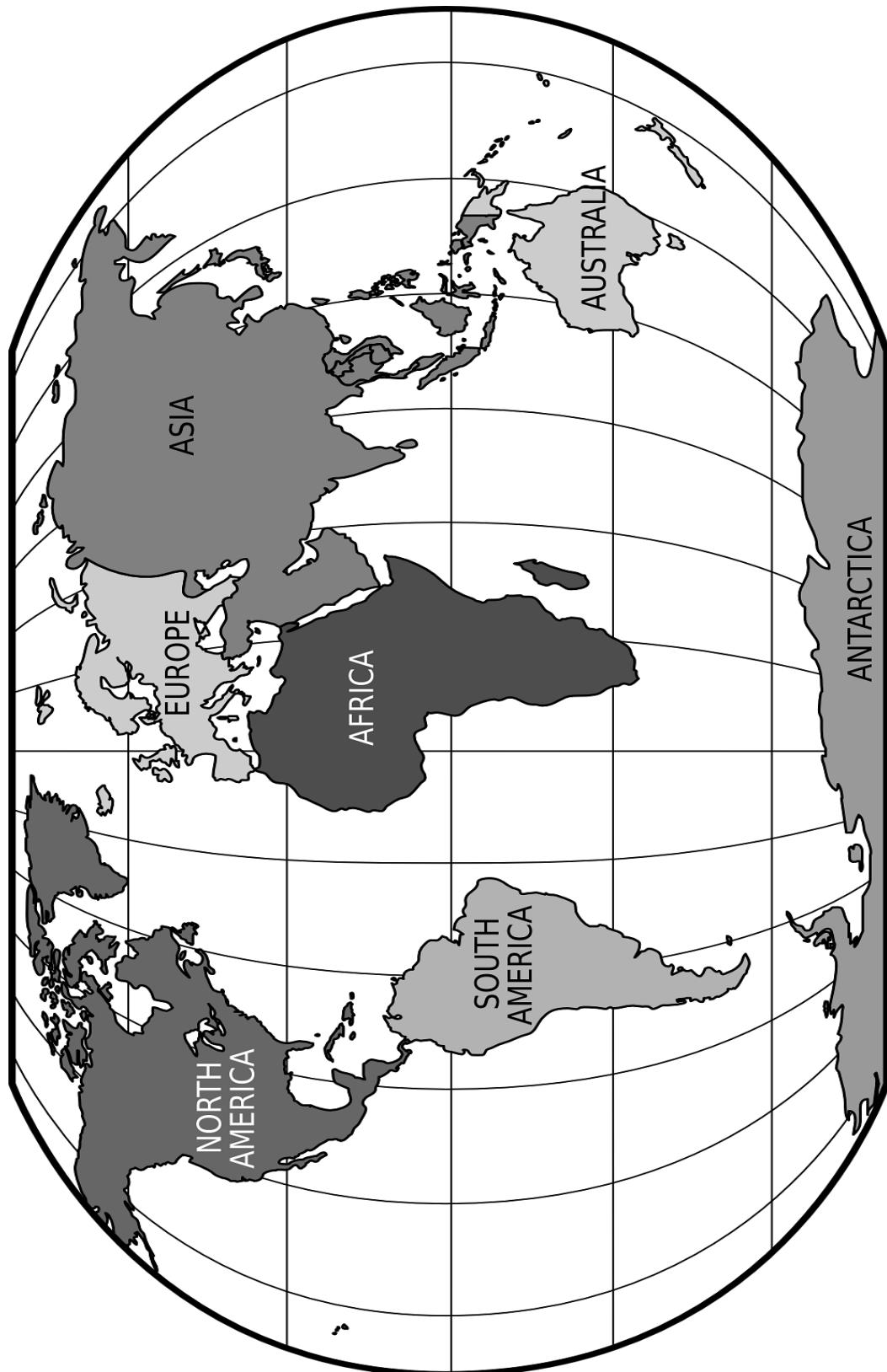
Complete the chart below by defining and giving an example of each term.

	Definition	Example
Strait		
Gulf		
Sea		
Ocean		

# Lesson 17: Ocean Basins

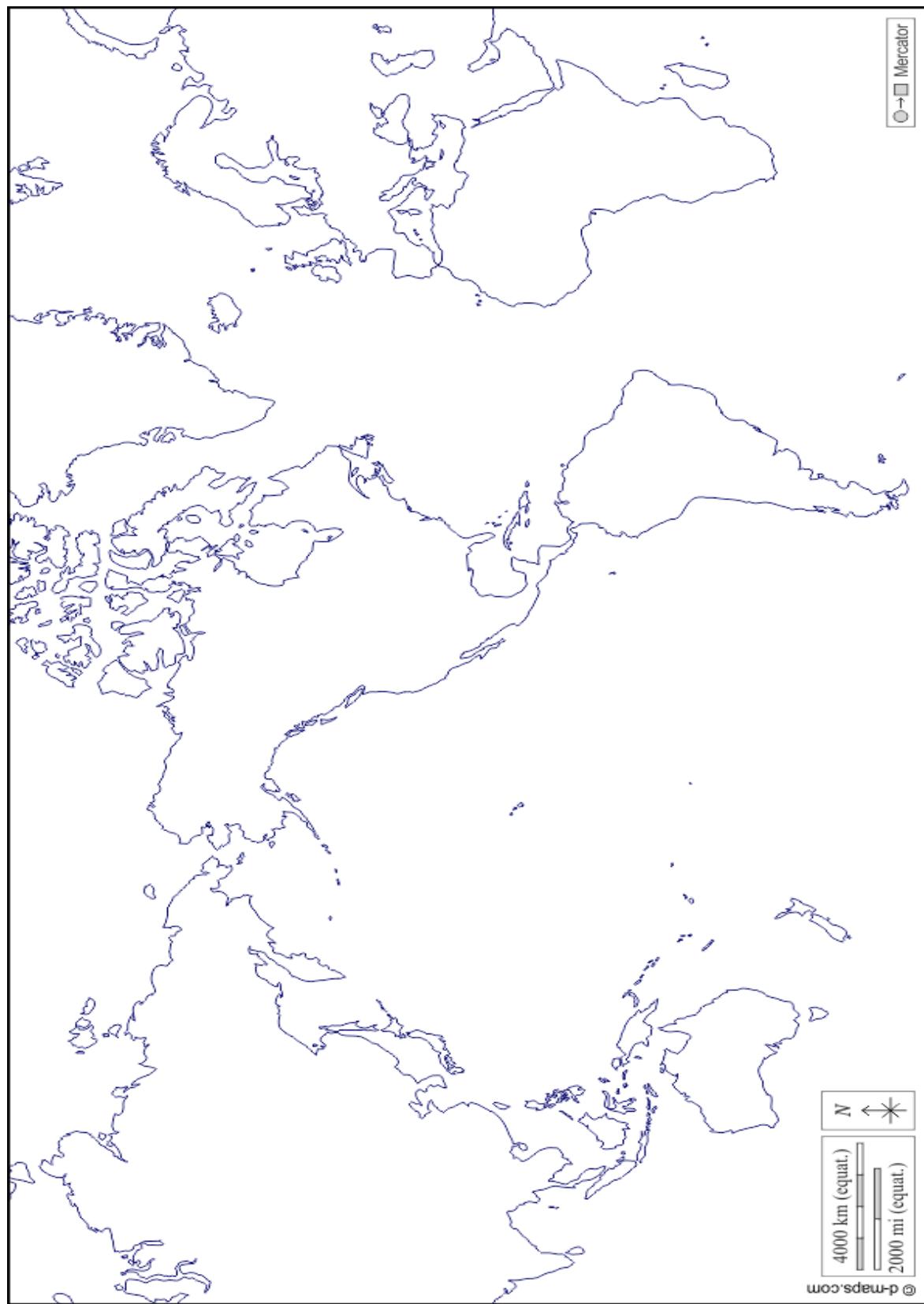
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# Lesson 50: Ocean Currents

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# Lesson 95: Coral Reef Organism

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**Name of Organism:**

**Picture:**

**Group** (fish, mollusk, crustacean, reptile, etc.)

**Diet** (what it eats)

**Predators or Natural Enemies** (who eats it)

**Adaptations that help it survive** (specialized body parts, special abilities, etc.)

**Is it endangered or threatened?**

# Lesson 120: Fiddler Crab

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Label each part on the crab below.

**Antennae** – two sensory organs (feelers) located toward the front of the crab

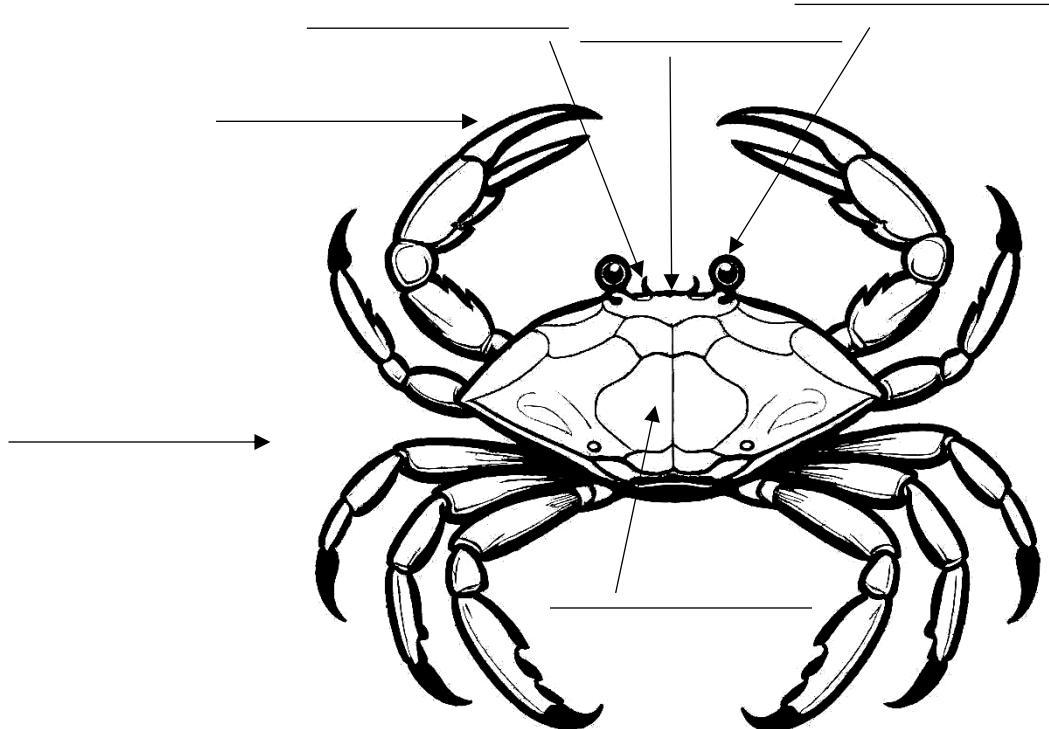
**Carapace** – the hard, protective outer shell of the crab, made of chitin

**Cheliped** – one of two big claws used for defense and food handling. In male fiddler crabs one cheliped is much bigger than the other. In females, the two chelipeds are about the same size.

**Eyestalk** – hold the two compound eyes

**Mouth** – located at the front of the crab, near the base of the eyestalks and antennae

**Walking legs** – four pairs of long, jointed legs used for locomotion.



# Lesson 122: Phylum Key

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<b>Porifera</b>	<b>Cnidaria</b>	<b>Platyhelminthes</b>	<b>Annelida</b>
1. H3	1.	1.	1.
2.	2.	2.	2.
3.	3.	3.	3.
4.	4.	4.	4.
5.	5.	5. C1	5.
	6. _____		
<b>Arthropoda</b>	<b>Mollusca</b>	<b>Echinodermata</b>	<b>Chordata</b>
1.	1.	1.	1.
2.	2.	2.	2.
3.	3.	3.	3.
4.	4.	4.	4.
5.	5.	5.	5.
6.	6.	6.	6.
7.			7.

\*Hints:

There are 5 phyla with "Complete digestive tract with two ends" (B5)

There are 2 phyla with "Digestive tract with the entrance being the exit" (E3)

There are 3 phyla with "Bilateral phylum that added segmentation" (A1)

# Lesson 132: Shark Anatomy

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Label each part on the shark below.

**Anal fin** – fin on the lower side of the body near the tail (not on all sharks)

**Caudal fin** – the tail fin

**Eye** – sight organ located on the head

**Fin spine** – protective spine located at the base of the first dorsal fin (not on all sharks)

**First dorsal fin** – fin on the upper-side of the body nearest the head

**Gills** – fleshy organs used for breathing; located on the side of the head

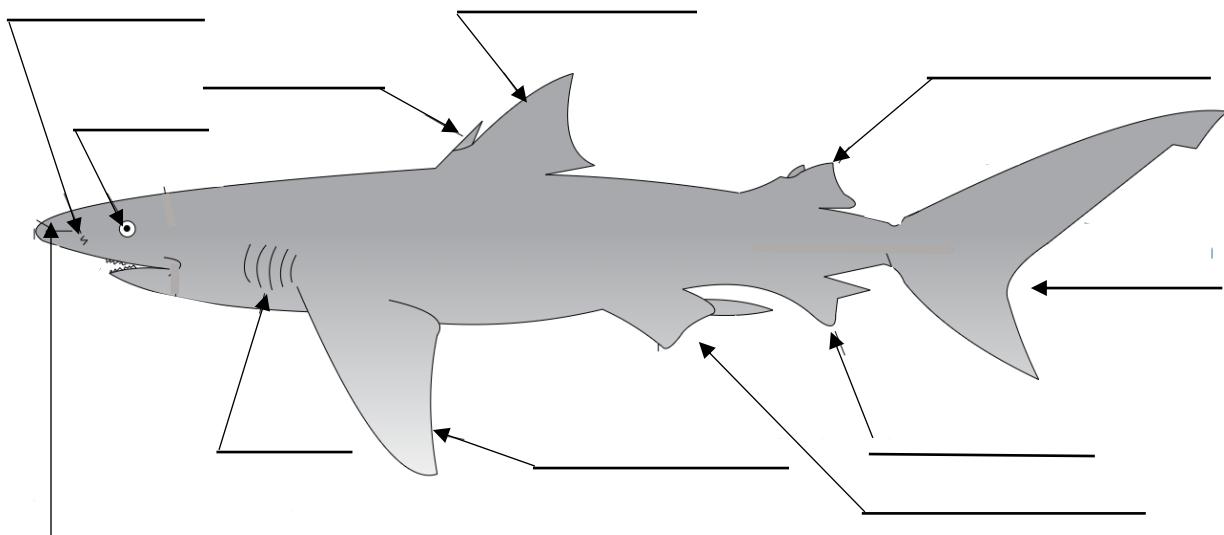
**Nostril** – paired slits on the underside of the snout used for olfactory (smell) information, not used for breathing

**Pectoral fin** – paired fins on either side of the body near the head

**Pelvic fin** – small, paired fins on the lower rear side of the body

**Second dorsal fin** – fin on the upper side of the body nearest the tail

**Snout** – front part of a shark's head



# Lesson 153: Mixed or Layered

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Station	Season	Temp: Mixed (M) or Layered (L)	If layered, top of Thermocline (meters)	Salinity: Mixed (M) or Layered (L)	Depth where florescence is <1	Phytoplanktons: mostly diatoms (DIA), mostly dinos (DIN), equal, or other
4	Autumn					
	Spring					
	Summer					
5	Autumn					
	Spring					
	Summer					
6	Autumn					
	Spring					
	Summer					
7	Autumn					
	Spring					
	Summer					
8	Autumn					
	Spring					
	Summer					
9	Autumn					
	Spring					
	Summer					
10	Autumn					
	Spring					
	Summer					
11	Autumn					
	Spring					
	Summer					
12	Autumn					
	Spring					
	Summer					

## Lesson 154: Mixed or Layered

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Station	Before (B) or After (A) the storm	Autumn temp above thermocline	Autumn temp below thermocline	Weak (W) or Strong (S) thermocline
4	B			
	A			
8	B			
	A			