Name:_____

Learning Target: I can ask questions to identify and communicate, using graphs and maps, the composition, location, and subsurface topography of the world's oceans.

Directions: Write 2 questions you wonder about oceans:. You do not have to answer them:

1.

2.

You will be creating different types of graphs for each set of data. PAY ATTENTION to the type of graph required.
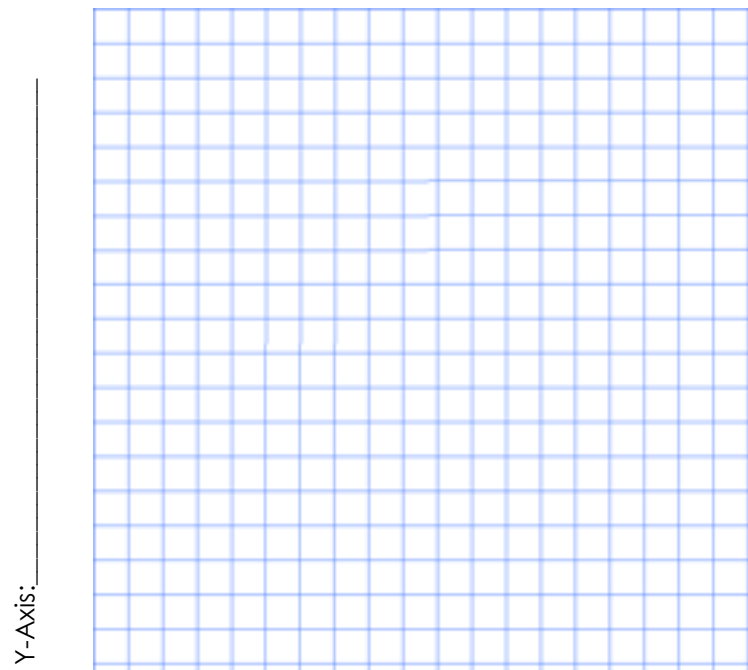
Data Set 1:

Ocean surface area

Create a BAR GRAPH	Area (in millions of squared km)
Pacific	156
Southern	20
Atlantic	77
Indian	69
Arctic	14

Data Set 2:

Make a **pie graph** that shows the amounts of dissolved substances in seawater. In every kilogram is the total). Of this 35 grams:
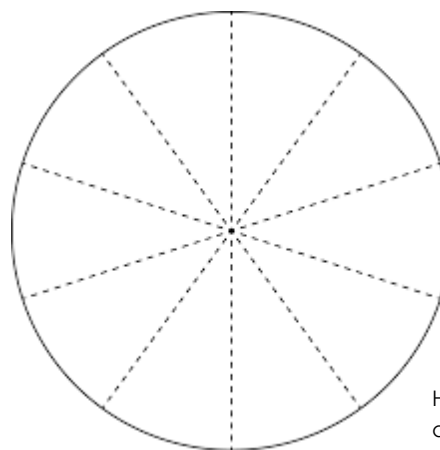
Type of Salt	Quantity	Percentage
Chlorine	19	54
Sodium	10.6	30
Sulfate	2.6	7
Other Elements	2.8	8
TOTAL	35	100

Title:_____

Y-Axis:_____

X-Axis:_____

Title: _____

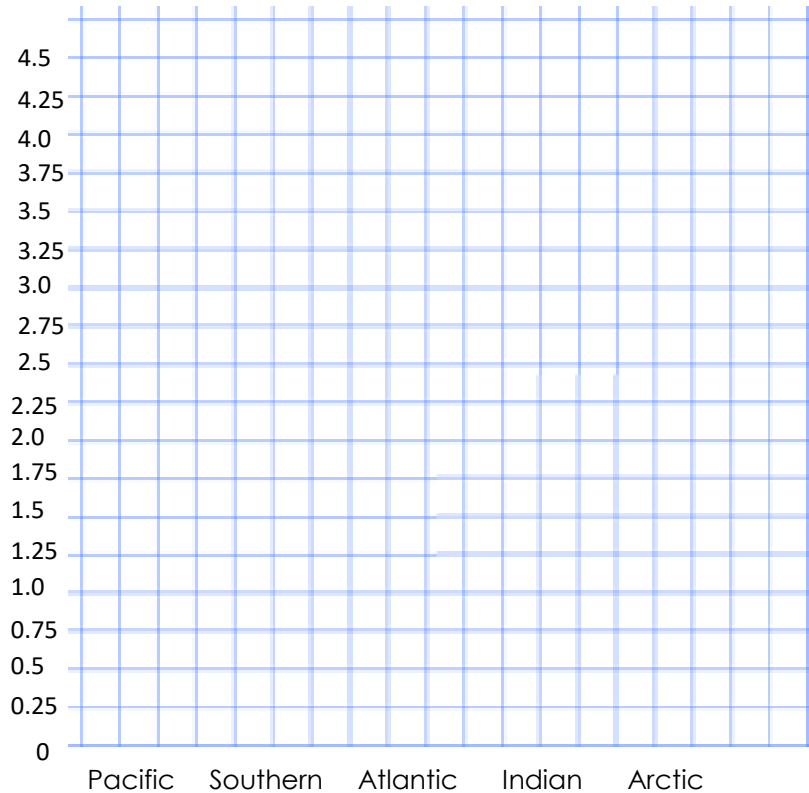| Substance	%	Color

Hint: The whole pie is worth 100%. There are 10 pieces of the pie sketched out as guides, each is worth 10%

Data Set 3: Ocean Depth Bar Graph

Ocean Name	Depth (km)
Pacific	4.3
Southern	4
Atlantic	3.3
Indian	3.9
Arctic	1

4.5
4.25
4.0
3.75
3.5
3.25
3.0
2.75
2.5
2.25
2.0
1.75
1.5
1.25
1.0
0.75
0.5
0.25
0

Pacific   Southern   Atlantic   Indian   Arctic

Data Set 4: Now you will create a LINE graph. You will be plotting how temperature changes as you go deeper into the ocean.

Depth (m)	Temperature (C)
0	15.19
30	14.32
60	12.42
90	10.8
120	9.66
150	9.2
180	8.33
210	7.9

Title: _____

X-Axis _____

Y-Axis _____