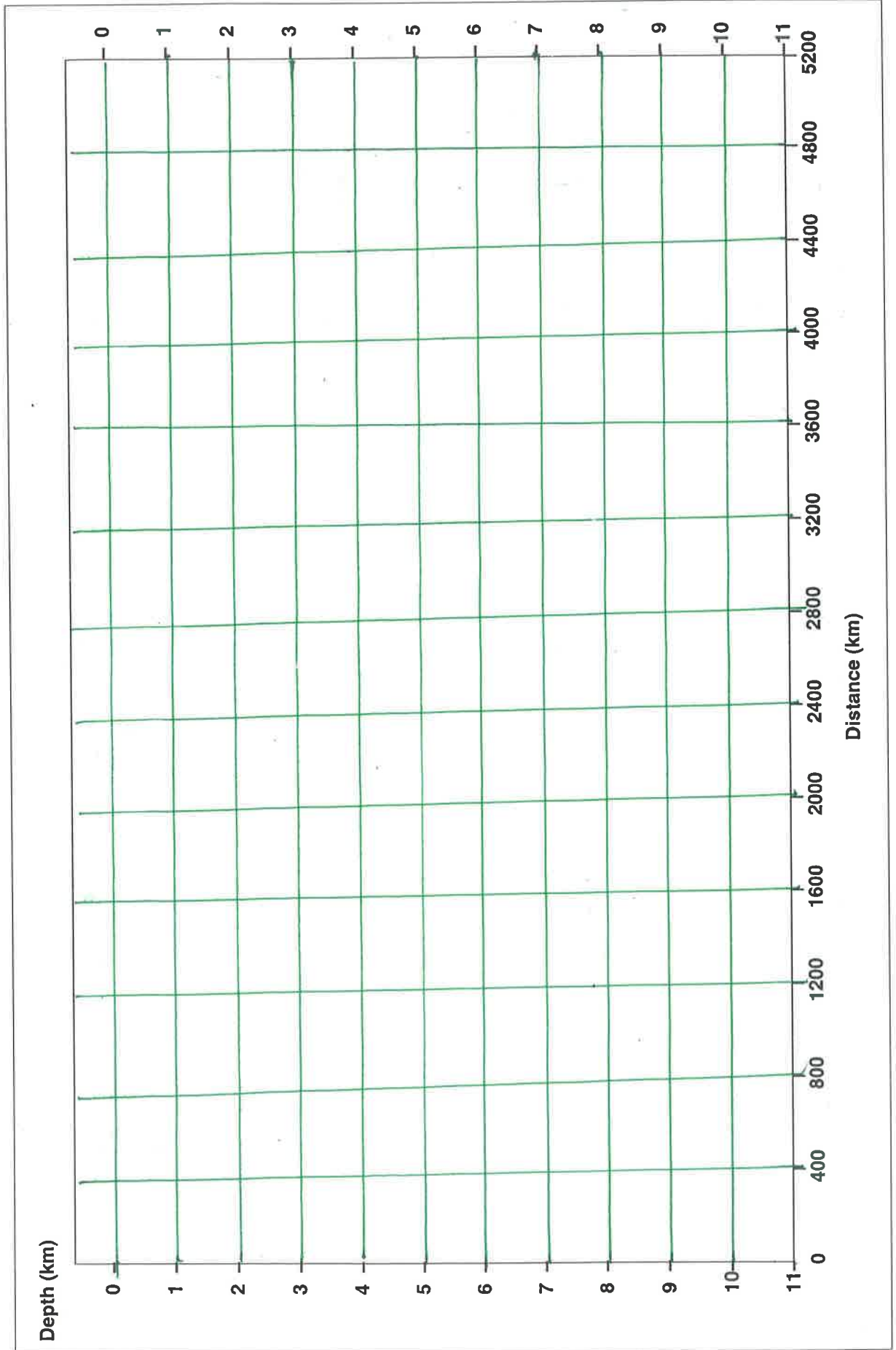




Mapping the ocean basin

Name _____

Section: Ocean features and creatures
Lesson: Mapping the ocean





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Purpose

In this activity we will use information collected by SONAR to make a map of the ocean floor from New York City to Porto, Portugal.

Materials

map grid, activity sheet, world map

Procedure

1. Find New York City and Porto, Portugal, on a world map.
2. Use the information in Chart A to plot a map of the ocean floor on the map grid activity sheet.
3. On your map grid, draw a line to represent sea level.

Chart A

Distance (km) from NYC	Depth (km)
0	0.0
200	2.0
400	3.5
600	4.0
800	4.1
1000	4.0
1200	4.0
1400	3.5
1600	1.6
1800	3.8
2000	3.9
2200	3.9
2400	4.0
2600	4.0
2800	3.9
3000	4.0
3200	3.1
3400	2.4
3600	3.5
3800	2.0
4000	3.0
4200	4.0
4400	4.1
4600	3.8
4800	1.9
5000	0.0

Questions

1. Is the bottom of the ocean flat? Explain.
2. According to Chart A, what is the average depth of the ocean?
3. Describe the structure of the ocean floor between 3,200 and 4,400 kilometers from New York City.
4. Describe the structure of the ocean floor that is at a distance between 1,200 and 2,000 kilometers from New York City.
5. What is the depth of sea level?

*Missing
Chlorophyll*

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