

Examples of Oceanography questions, as related to Bloom's taxonomy.

<i>Taxonomic Level</i>	<i>Objective</i>	<i>Question</i>
<i>Knowledge</i>	State the depth of the ocean.	How deep is the ocean, on average?
<i>Comprehension</i>	Relate the ocean depth to a familiar scale.	What familiar size or distance is similar to the depth of the ocean?
<i>Application</i>	Calculate the ratio of the earth's diameter to the ocean's depth, and relate this ratio to familiar objects.	The surface of a basket ball has bumps and grooves that at their deepest may be about 1mm deep. If the ocean were 1mm deep, how big would the earth be? a) size of a baseball (73 mm diameter) b) size of the basketball (243 mm diameter) c) could just fit under the hoop (3 m high) d) as big as the stadium (250 m across)
<i>Knowledge</i>	Remember that the Coriolis effect does not affect the kitchen sink.	Is the draining of your kitchen sink affected by the rotation of the earth?
<i>Analysis</i>	Explain the dependence of the Coriolis effect on the scale of motion.	Why or why not?
<i>Evaluation</i> <i>Creation</i>		Write a letter to your congressional representative about an issue affecting the ocean. Explain the key issues and the scientific evidence that supports your position, and suggest a course of action.