Map: Under the Great Lakes

Environmental Science · Student worksheet

Name _____

Date _____

Period _____

How this works: Open Under the Great Lakes (mrsajdak.com/maps/great-lakes). Pick a lake at the top. The box beside its name shows how deep it is at the deepest. Move the cursor over the lake to read the depth anywhere.

I am learning to

- ☐ I can read depths from a map and compare the five Great Lakes.
- ☐ I can use a tilted map as a model to find where a lake is deep.

Part 1. Read the depths

Analyzing and interpreting data

SEP 4

1. Open each lake. Read its depth at the deepest. Write it to the nearest meter.

Lake	Depth at the deepest point (m)
Superior	
Michigan	
Huron	
Erie	
Ontario	

2. The deepest lake is _____.

3. The shallowest lake is _____.

Part 2. How big is the difference?

Scale, proportion, and quantity

CCC 3

Example: A pool is 3 m deep. A pond is 12 m deep. 12 ÷ 3 = 4, so the pond is 4 times as deep.

4. Deepest depth ÷ shallowest depth = _____. The deepest lake is about that many times as deep.

Part 3. Use the model

Developing and using models

SEP 2

5. Open Lake Erie. Hold Shift and drag to tilt the map. Tick one box.

The deep part of Lake Erie is at the	☐ West end ☐ Middle ☐ East end

6. Buffalo sits at the east end of Lake Erie. What does the map tell you about the water near Buffalo? Start: The water near Buffalo is