

Name: _____

Date: _____ Period: _____

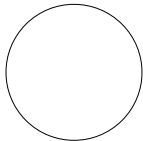
Mapping the Earth

The Physical Setting: Earth Science

Supplemental: Annotating Class Notes

Directions: Using the Class Notes: Mapping the Earth, complete the following activity.

I. Latitude and Longitude

	Sometimes Called	Reference Line	Highest Value	Directions Labelled	Draw an Example
Latitude					
Longitude					

The _____ of Polaris is equal to your _____ in the Northern Hemisphere.

Each time zone is _____ hour(s) different and covers _____ degrees longitude.

II. Field Maps

Define Isoline and give three examples:

Isoline - _____

Different Types of Isolines:

1. _____
2. _____
3. _____
4. _____

Gradient Problem: A stream starts at a source of 500 meters and ends at a lake that has an elevation of 100 meters. If the lake is 200 km away from the source, what is the average gradient?

Supplemental: Annotating Class Notes

III. Topographic Maps

_____ Elevation	a. a bolder, numbered contour line
_____ Natural Features	b. isolines connecting areas of equal elevation
_____ Cultural Features	c. height above or below sea level
_____ Contour Lines	d. the result of contour lines being spaced far apart
_____ Contour Interval	e. the space between two side by side contour lines
_____ Contour Index	f. hachured lines showing a hole
_____ Steep Slope	g. man-made features on a map
_____ Gentle Slope	h. naturally made features on a map
_____ Depression Contour	i. the result of closely spaced contour lines
_____ Topographic Profile	j. the side view of a surface feature

IV. NYS Landscapes

1. What landscape region can you find the city of Utica, New York?

2. What is the composition and elevation of the Catskills?