



**Topic/Objective** CHAPTER: 2  
 Latitude & Longitude  
 By [Earth Rocks!](#)  
<https://www.youtube.com/watch?v=2PIIX2YOAHo>

**NAME:** 1<sup>st</sup> SET key: 1) B 2) A 3) A 4) A 2<sup>nd</sup> SET key: 5) E 6) C  
**Pd:** 1 2 4 5 other  
**DATE**

**Essential Question**

**What is Latitude, Longitude?**

**Cue: Review:**  
**Thoughts: Main Idea**

**NOTE Taking AREA:**

To locate ourselves on Earth's surface we use a spherical coordinate system known as latitude and longitude.

We need an origin or zero reference

We measure away from that origin in two directions

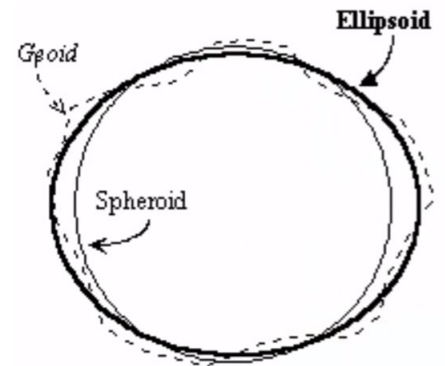
**Simple graph**

X-axis lying horizontally; Y-axis line perpendicularly or vertically

Both passing through the zero of the other any location on the flat page

Earth's surface isn't flat it's basically a sphere

Not even that is perfect as it's a bit egg like as well with a fatter middle and thinner edges



X-axis; Y-axis

Prime Meridian

Prime Meridian as our vertical axis

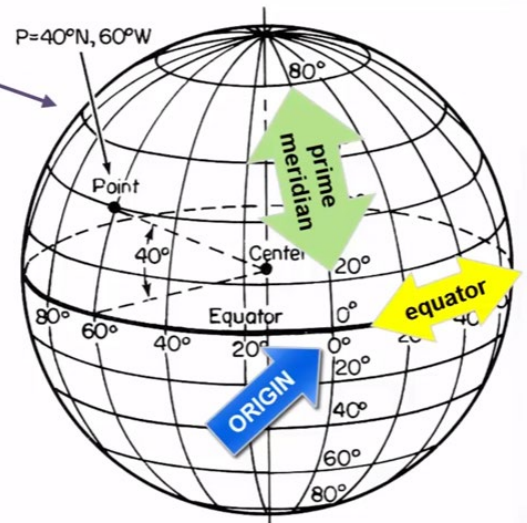
equal length lines of longitude

Run from North Pole to South Pole at intervals east and west of the Prime Meridian

Longitude

Anywhere along a longitude line a point is an equal angle of a circle away from the prime meridian

international date line (opposite side of sphere from prime meridian)



NOTES CONTINUE ON OTHER SIDE



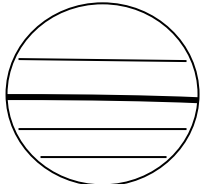
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NAME: \_\_\_\_\_  
 DATE \_\_\_\_\_

Cue: Review:  
 Thoughts: Main Idea  
 Equator  
 Latitude

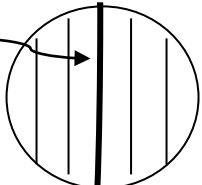
**NOTE Taking AREA:**

Equator is our horizontal axis  
 Lines of Latitude run Parallel to the Equator  
 run east-west or side-to-side  
 Degrees North or South of the Equator



Imaginary horizontal line 0° degrees starting line for Latitude.

Distance and degrees EAST or WEST of the Prime Meridian



Starting line for Longitude which is imaginary and runs Through Greenwich, England.

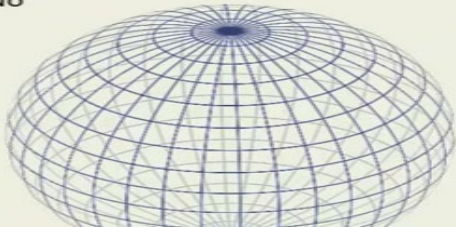
Are lines of longitude. Each line is 15° apart = 1 hour.

Are longitude lines parallel?  
 a. Yes  
 b. No

Do longitude lines run pole to pole?  
 a. Yes  
 b. No

Are longitude lines roughly the same circumference – all of them?  
 a. Yes  
 b. No

Would a circle cut along a longitude line cut through the center of the Earth?  
 a. Yes  
 b. No



Which of the following is **NOT** true for longitude?  
 a. Runs north and south  
 b. Describes location east and west of the prime meridian  
 c. Could have a value such as this: 145 E  
 d. Are separated by the greatest distance at the equator.  
 e. Are parallel

Which of the following is **NOT** true for latitude?  
 a. Runs east and west  
 b. Describes location north or south of the equator  
 c. Could have a value such as this: 145 N  
 d. Are equidistant  
 e. Are parallel

**SUMMARY:**

1<sup>st</sup> SET key: 1) B 2) A      2<sup>nd</sup> SET key: 5) E 6) C

3) A 4) A