

Globe Line Detectives

Read closely to locate the globe lines that describe places.

SS3G2 "Locate and describe the equator, prime meridian, and lines of latitude and longitude on a globe."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each phrase that tells where the equator or prime meridian is, and circle each mention of latitude or longitude to track the lines that help locate places.

Lines Around Earth

- ① People use an imaginary set of lines to describe places on a globe. The equator is an imaginary line around the middle of Earth. It divides Earth into the Northern Hemisphere and the Southern Hemisphere. The equator is at 0 degrees latitude. Latitude lines circle Earth from east to west. They show how far north or south a place is from the equator.
- ② The prime meridian is another imaginary line. It runs from the North Pole to the South Pole. This line is at 0 degrees longitude. It divides Earth into the Eastern Hemisphere and the Western Hemisphere. Longitude lines run from pole to pole. They show how far east or west a place is from the prime meridian. Unlike latitude lines, longitude lines meet at both poles.
- ③ To find a place, first look for the equator and prime meridian. Then use the nearby latitude and longitude lines. A location north of the equator is in the Northern Hemisphere. A location west of the prime meridian is in the Western Hemisphere. For example, a place can be described by its latitude and longitude, which act like an address on a globe.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 What is the equator's latitude, and which two hemispheres does it divide?

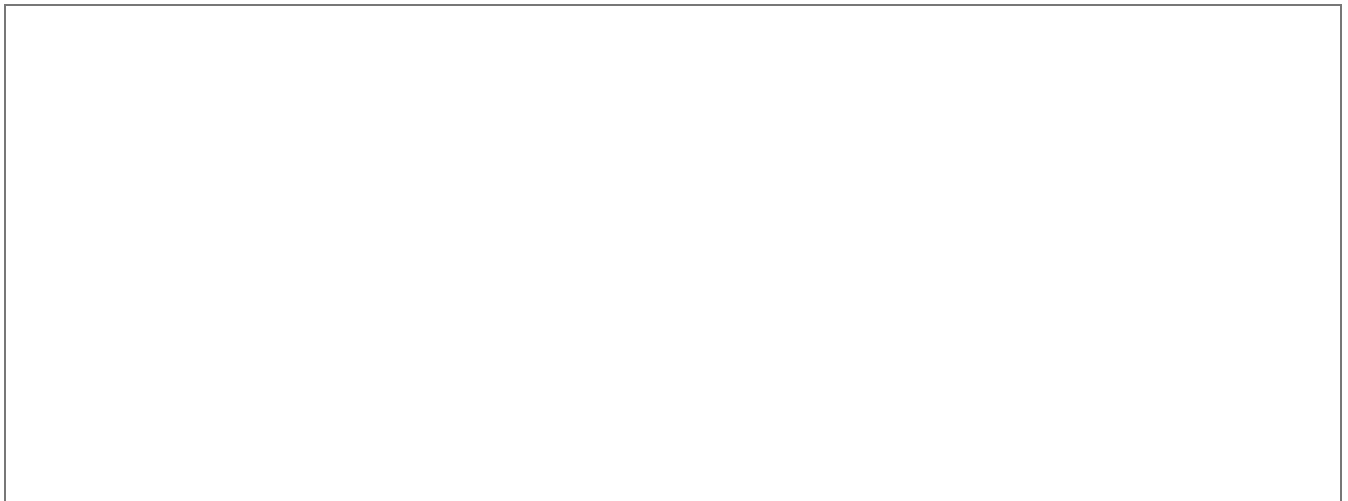
2 Which direction do latitude lines circle Earth, and what do they show?

3 How do longitude lines run, and what do they show?

4 A place is north of the equator and west of the prime meridian. In which two hemispheres is it?

3 YOUR TURN _____ Your own words

In the box, sketch a globe. Draw and label the equator, the prime meridian, one other latitude line, and one other longitude line. Add a star north of the equator and east of the prime meridian, then write one sentence describing the star's location.



PART 1 • READ AND MARK

Underline each phrase that tells where the equator or prime meridian is, and circle each mention of latitude or longitude to track the lines that help locate places. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What is the equator's latitude, and which two hemispheres does it divide?	The equator is at 0 degrees latitude. It divides the Northern Hemisphere and the Southern Hemisphere.
2	Which direction do latitude lines circle Earth, and what do they show?	Latitude lines circle Earth from east to west. They show how far north or south a place is from the equator.
3	How do longitude lines run, and what do they show?	Longitude lines run from pole to pole. They show how far east or west a place is from the prime meridian.
4	A place is north of the equator and west of the prime meridian. In which two hemispheres is it?	It is in the Northern Hemisphere and the Western Hemisphere.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Sketch includes a labeled equator across the middle, a labeled prime meridian from pole to pole, and one additional latitude and longitude line. The star is north of the equator and east of the prime meridian.

Accept accurate labels and a sketch with the equator around the middle and the prime meridian running from pole to pole. The star sentence should state that it is north of the equator and east of the prime meridian.