

# Map 2a Feb 4-17. Quiz on the class's Map1

ⓘ This is a preview of the published version of the quiz

Started: Apr 29 at 8:48pm

## Quiz Instructions

This short quiz will help you explore the map constructed from all the earthquake event information you and your colleagues submitted. Open the map is [here](https://www.google.com/maps/d/viewer?mid=1GL9JqP1Es7-5x3qCSzhWsRNHP7S5a1PX&ll=16.686194198464584%2C-81.73482049578138&z=2) (<https://www.google.com/maps/d/viewer?mid=1GL9JqP1Es7-5x3qCSzhWsRNHP7S5a1PX&ll=16.686194198464584%2C-81.73482049578138&z=2>) and answer the following questions.

### Question 1

1 pts

How many students identified their event as being about "Earthquake originating above, not within, a subduction zone fault"?

*HINT: In the map's side panel, if there are two or more groupings or layers, ensure only the layer that groups entries by event type is checked. Then click the little down-arrow under it. Scroll down, and count or estimate, under the appropriate hazard type.*

- fewer than 10
- 10-20
- 21-30
- 31-50
- 51-100
- more than 100

### Question 2

1 pts

How many students said "Yes I experienced it" the event they reported on?

*HINT: In the map's side panel, if there are two or more groupings or layers, ensure only the layer that groups or sorts entries by experience is checked. Then click the little down-arrow under it. Scroll down, and count or estimate, under the appropriate experience type.*

- fewer than 5
- 5-10
- 11-20

- 21-50
- 51-100
- more than 100

**Question 3****1 pts**

How many students submitted events that occurred in Mexico and central America (not the Caribbean islands and not south America)? Look carefully - markers might be overlapping each other. Also, ensure only one layer is selected (eg. "*by experience*" OR "*by hazard*").

- none
- 1-5
- 6-10
- 11-15
- 16-20
- 21-25
- more. than 25

**Question 4****1 pts**

What was the given latitude of the most southerly **correctly placed** event identified? Correctly placed means check that the marker has latitude/longitude consistent with its stated "region". \_\_\_\_\_ (e.g.: Cape Town, South Africa is at latitude = -33.89).

**Question 5****4 pts**

Here we will search for **four** markers which have some location error. Search for each one on the map by clicking the search icon just next to the title of the map we are using, and typing the search phrase into the given search line (leave out the quotes). For each, zoom out until you see where this event is located. Read

the information panel for clues about where the marker is SUPPOSED to be. Then select the correction action that would put this into the *correct* location.

(This question is given to demonstrate that it is easy to get latitude and/or longitude wrong. Just be careful - think twice and check your entries when it comes time to generate your own information.)

search phrase 1: "Alaska 9.0"

[ Choose ]

Search phrase 2: "grand banks"

[ Choose ]

Search phrase 3: "country so small"

[ Choose ]

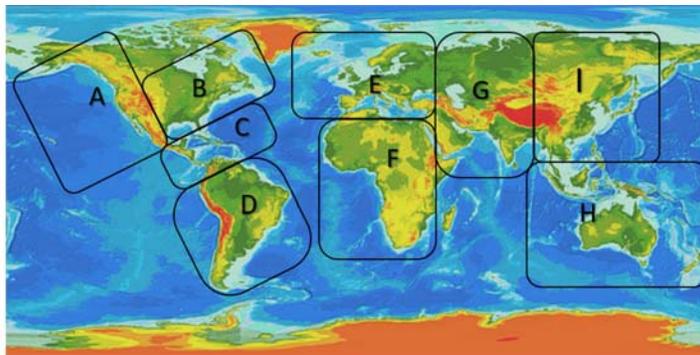
Search phrase 4: "2001 Gujarat"

[ Choose ]

**Question 6**

**1 pts**

In which region of this map do you see the largest number of students submitting entries of any kind?



[http://woodshole.er.usgs.gov/openfile/of2005-1001/data/basemaps/srtm30plus/srtm30plus-world\\_pctshade.htm](http://woodshole.er.usgs.gov/openfile/of2005-1001/data/basemaps/srtm30plus/srtm30plus-world_pctshade.htm)

- A
- B
- C
- D
- E
- F
- G
- H

- I
- J = some other region not specified on this map

**Question 7****1 pts**

For how many of events in Canada **only** did the student say "Yes, I experienced it."?

- None
- 1-3
- 4-6
- 7-10
- 11-15
- 16-20
- more than 20

**Question 8****1 pts**

Which of these reasons do you think is the MOST important reason why relatively few events were submitted on the South American continent compared to (for example) North America or Eastern Asia and Japan?

- Fewer students in our class come from that region compared to other parts of the world.
- Nowhere in that region is population density as high as elsewhere on the planet.
- Overall, the that region is probably less hazardous than other regions of the planet.
- We do not understand how hazards work in that region as well as in other parts of the world.
- Communities in that region are more able to mitigate hazardous events

**Question 9****1 pts**

The event on Iceland is identified as an earthquake associated with a Volcano. This is not wrong, but an alternative is also possible. Which of these could be equally "correct"?

- Earthquake originating within a subduction zone fault
- Earthquake on a strike slip or transform fault
- A mid-continent earthquake
- Earthquake originating above, not within, a subduction zone fault
- Tectonic spreading center or rift zone earthquake.

**Question 10****1 pts**

Compare the pattern of earthquakes identified in North and South America. Identify whether each of these statements is true or false.

Most quakes in N. and S. America are on the same edge (North, South, East or West) of the continent.

The pattern indicates the tectonic setting is the same for N. and S. America.

The pattern indicates that the tectonic setting is a bit more complicated in that region of North America compared to South America

The pattern indicates that the tectonic setting is a bit more complicated in that region of South America compared to North America

The pattern indicates that the tectonic settings in these regions of N. and S. America are in fact not similar at all

**Question 11****1 pts**

Which continental region seems (based on this incomplete data set) to be the least seismically active?

- North America
- South America
- Europe (west of the Caspian Sea).
- Africa

- Mainland Asia east of the Caspian Sea.
- Southeast Asia and the Philippines

**Question 12****1 pts**

Of those events in the state of California, how many of your colleagues either experienced the event or knew someone who did (look carefully after "unclicking" the checkbox for "earthquake type")?

- none
- 1-2
- 3-5
- 6-10
- 11-15
- more than 15

**Question 13****0 pts**

After exploring the global map produced by you and your colleagues, what did you find to be most interesting, intriguing or unexpected about it? (*Zero points, so Canvas claiming your answer is "wrong" does not matter.*)

Quiz saved at 8:56pm

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