

Laboratory Exercise 11: Earthquakes, Part 1

PHYS-106A, Physical Geology

Student Name: Belle H.

Student Learning Outcome:

- Investigate USGS HayWired Scenario Storymap to learn more about earthquakes in high-risk zones and what people can do to be prepared.

USGS Storymap Link: <https://usgs.maps.arcgis.com/apps/MapSeries/index.html?appid=364fa6f34520464ba081cb0785671193>

Questions

The appropriate tab is listed before the question, so you know where to look. Do not simply copy and paste information when an explanation is needed; rephrase it in your own words.

1. Introduction: Why did USGS scientists develop an earthquake scenario for this particular area and present it in a Storymap? (2 pts)

It can help us understand and prepare for real earthquakes, by having a detailed, vivid, realistic picture of what it would be like if such an event occurred

2. Introduction: What does the HayWired Scenario consider and investigate? (2 pts)
They HayWired Scenario is not an earthquake scenario it is a hypothetical event. It considers what if a magnitude 7.0 earthquake beat the HayWired earthquake.
3. Ground Shaking: What is the magnitude of the HayWired earthquake as modeled in the scenario? (1 pt)
7.0 magnitude
4. Ground Shaking: What level of shaking intensity will people in Napa feel at 42 seconds? (1 pt)
It was reported as and intensity levels VI and VII
5. Aftershocks: How many years of ground shaking does the USGS show in its first ShakeMap? (1 pt)
Two years
6. Fault Slip and Afterslip: What is the difference between coseismic slip and afterslip? (2 pts)

Coseismic slip occurs suddenly during an earthquake, and occurs in all earthquakes
Afterslip occurs gradually, in the days, weeks, months – and even years – that follow an earthquake
7. Landslides: What three datasets were considered by scientists to estimate the probability that the HayWired mainshock would cause a landslide? (3 pts)
Ground Shaking intensity in terms of peak ground acceleration
Geology of the study area

Geology 1 exercise 28 Answers

Siddappa N.Byrareddy



Geology 1 exercise 28 Answers:

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Monthly Catalog of United States Government Publications ,1988 **Journal of Education and School World** ,1888

Educational Times ,1880 Athenaeum and Literary Chronicle ,1847 *Indian National Bibliography* B. S.

Kesavan,2017-12 **The Saturday Review of Politics, Literature, Science and Art** ,1863 *The Educational Times, and Journal of the College of Preceptors* ,1893 *The Publishers' Circular and Booksellers' Record* ,1928 Publishers' Circular and General Record of British and Foreign Literature, and Booksellers' Record ,1891

Geology 1 exercise 28 Answers: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Let's delve into the realm of popular books, exploring the captivating narratives that have captivated audiences this year.

Geology 1 exercise 28 Answers : Colleen Hoover "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph.

Uncover the Best : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery.

Discover the Magic : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting.

These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered.

The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts.

The Secret History is an exceptional and thrilling novel that will keep you guessing until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

<https://staging.conocer.cide.edu/public/uploaded-files/index.jsp/la%20case%20de%20loncle%20tom%20eacutedition%20intea%20cutegrale.pdf>

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