



CHAPTER 7—LAB 1: LOCATING EPICENTERS

Introduction

The epicenter of an earthquake is usually determined by examining seismograms from at least three recording stations. From these records, the distance to the epicenter of the earthquake from each of the recording stations can be determined. Circles drawn on a map around each of the seismic stations are used to locate the epicenter. In addition, the seismic recordings can be used to determine the time at which the earthquake took place and how powerful the earthquake was at its source.

Objective

To locate the epicenter of an earthquake.

Materials

Lab Sheets

Procedure

1. What is the time separation between the vertical lines in Figure 7-8?

(Please note that the times on this chart are shown as Hours: Minutes: Seconds.)

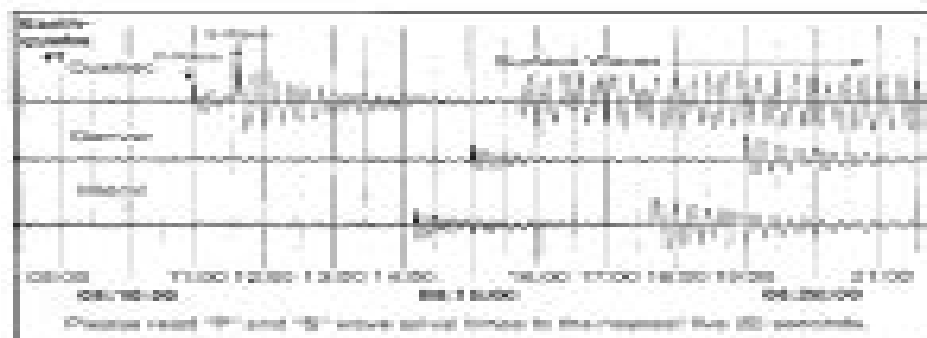


FIGURE 7-8. The test earthquake.

2. Which type of earthquake wave arrives first? _____

Locating Earthquake Epicenter Lab Answer Key

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Draper**



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America's Lab Report National Research Council, Division of Behavioral and Social Sciences and Education, Center for Education, Board on Science Education, Committee on High School Laboratories: Role and Vision, 2006-01-20 Laboratory experiences as a part of most U S high school science curricula have been taken for granted for decades but they have rarely been carefully examined What do they contribute to science learning What can they contribute to science learning What is the current status of labs in our nation s high schools as a context for learning science This book looks at a range of questions about how laboratory experiences fit into U S high schools What is effective laboratory teaching What does research tell us about learning in high school science labs How should student learning in laboratory experiences be assessed Do all student have access to laboratory experiences What changes need to be made to improve laboratory experiences for high school students How can school organization contribute to effective laboratory teaching With increased attention to the U S education system and student outcomes no part of the high school curriculum should escape scrutiny This timely book investigates factors that influence a high school laboratory experience looking closely at what currently takes place and what the goals of those experiences are and should be Science educators school administrators policy makers and parents will all benefit from a better understanding of the need for laboratory experiences to be an integral part of the science curriculum and how that can be accomplished *Open-file Report* ,1979 **Reports of the Department of Commerce. Report of the Secretary of Commerce and Reports of Bureaus** United States. Department of Commerce, **EAS 220 Lab Book** ,2007 *ESSA Technical Report ERL-ESL* ,1970 **The Annual Report of the Secretary of Commerce** United States. Department of Commerce,1961 **Lab Manual: Lm Se Crse 4 Science Interactions** McGraw-Hill,1995-09 Focus on Earth Science ,2001 *NOAA Technical Report ERL*. United States. National Oceanic and Atmospheric Administration,1973 Earth Science ,2001 **Earth Lab** Claudia Owen,Diane Pirie,Grenville Draper,2006 Utilizing graphs and simple calculations this clearly written lab manual complements the study of earth science or physical geology Engaging activities are designed to help students develop data gathering skills e g mineral and rock identification and data analysis skills Students will learn how to understand aerial and satellite images to perceive the importance of stratigraphic columns geologic sections and seismic waves and more **Integrated Science Laboratory Manual** Michael J. Padilla,2000 Includes 74 investigations pre lab discussions and critical thinking questions safety manual and student safety test teaching support Nuclear Science Abstracts ,1975 **NOAA Technical Report ERL**. ,1972 **AI Mastery for Business Success 3 Books in 1** AI Profit Lab, Unlock Advanced Strategies to Scale Your Business Boost Efficiency and Thrive in the Artificial Intelligence Economy Master the strategies top professionals and businesses use to harness artificial intelligence and stay ahead of the competition Are outdated processes inefficiencies and uncertainty about AI holding your business back Struggling to attract clients streamline operations or implement AI effectively The fast changing AI landscape can feel

overwhelming but with the right strategies it can become your greatest asset This 3 in 1 guide combines The Complete Guide to Building and Running an AI Agency Accelerate Your Business with AI and The Complete Guide to Prompt Engineering to give you the tools to integrate AI attract high value clients and thrive in an AI driven world Inside you ll learn How to build and scale a profitable AI agency that stands out in the market Proven strategies to streamline operations reduce costs and boost efficiency using AI The art of prompt engineering to unlock AI s full potential for superior results Real world case studies showcasing successful AI adoption AI applications in marketing HR and customer experience to give your business a competitive edge How to stay ahead of AI trends and adopt ethical practices for long term success Whether you re building an AI agency integrating AI into your business or mastering tools like ChatGPT this guide has you covered Stop falling behind transform your business with AI today Get your copy of AI Mastery for Business Success 3 Books in 1 and thrive in the AI economy [ERDA Energy Research Abstracts](#) United States. Energy Research and Development Administration,1977-03

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