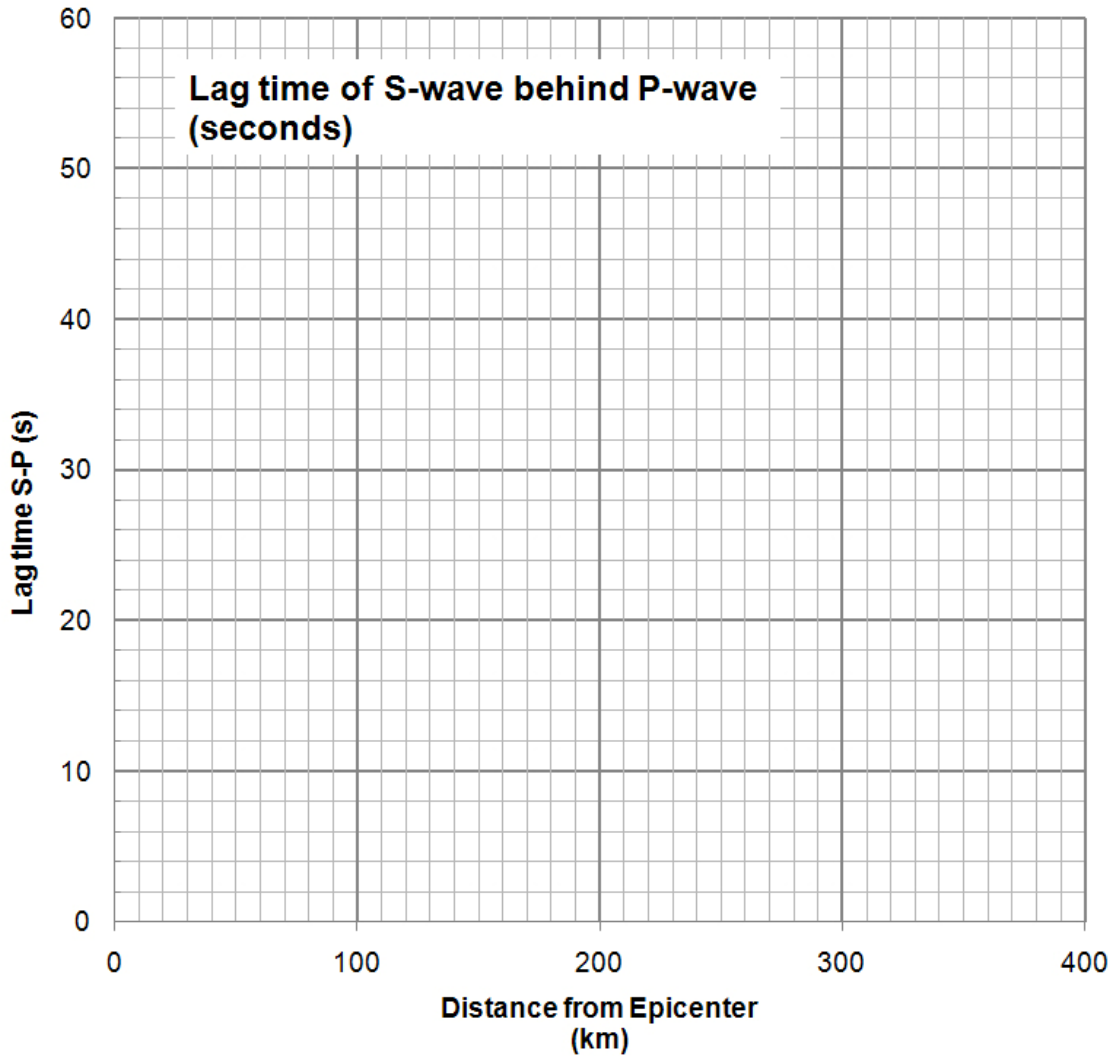


Name (s) _____

Date _____

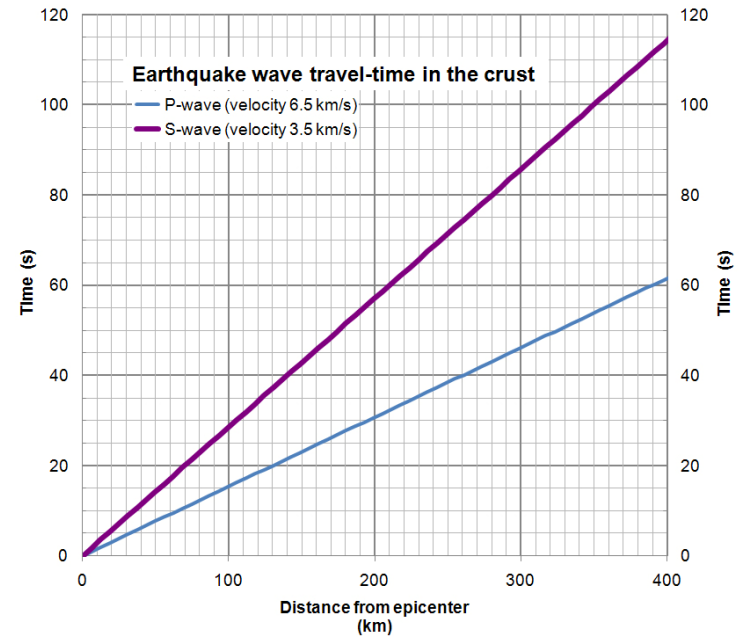
Lag Time Graph:



Data Table:

Distance from epicenter (km)	Travel time P-wave (s)	Travel time S-wave (s)	Lag time S-P wave (s)
0			
100			
200			
300			
400			

Travel Time Graph:



Mystery Detectives – Mystery Epicenter

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography <http://earthguide.ucsd.edu>
 This project produced with support from COSEE California.

GENERAL INFORMATION

P-wave velocity = 6.5 kilometers/s

S-wave velocity = 3.5 kilometers /s

Distance = Velocity x Time

Time = Distance / Velocity

1 km = 0.62137 miles

1 mile = 1.60934 kilometers