

Name _____

Mapping the Ocean data sheet

FORMULA FOR MEASURING OCEAN DEPTH

$$D = V \times \frac{1}{2} T$$

D = depth (in meters)

V = speed of sound in water

T = time (in seconds)

= 1,507 meters per second

distance from shore (km)	time (sec)	depth (m)	depth (km)
10	0.13		
20	0.27		
30	0.53		
40	2.65		
50	2.65		
60	2.92		
70	4.25		
80	4.25		
90	2.65		
100	1.86		
110	1.33		
120	3.98		
130	4.51		
140	6.10		
150	6.90		
160	8.49		
170	14.60		
180	6.64		
190	7.96		
200	7.43		

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