

**Round: 3B**  
**Category: Social science**  
**Time: 3 minutes**

Scientific terminology in the marine biological sciences, among other fields, is often built upon Latin or Greek root words. How well do you know the scientific words you use?

**Pick 5** of the words below. Identify the root word(s) of each, and provide their meanings. See the example. (20 pts)

Word	Root word(s)	Meaning of the root words
Example: geology	Geo – 1 point	Earth – 1 point
	ology – 1 point	study of – 1 point
pinnipedia		
carnivore		
lithosphere		
hydrogenous		
supralittoral		
anoxic		
chlorophyll		
holoplankton		
ichthyology		

**ANSWER**

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*Students can choose 5 words, 1 pt for each correct box, for a total of 20 pts:*

<b>Word</b>	<b>Root word(s)</b>	<b>Meaning of the root words</b>
Example: geology	geo - 1 point	Earth – 1 point
	ology – 1 point	study of – 1 point
pinnipedia	<i>pinni</i>	<i>wing</i>
	<i>pedia</i>	<i>foot</i>
carnivore	<i>carni</i>	<i>flesh</i>
	<i>vore</i>	<i>eat</i>
lithosphere	<i>litho</i>	<i>stone</i>
	<i>sphere</i>	<i>sphere</i>
hydrogenous	<i>hydro</i>	<i>water</i>
	<i>genous</i>	<i>producing</i>
supralittoral	<i>supra</i>	<i>above</i>
	<i>littora</i>	<i>the seashore (accept shore)</i>
anoxic	<i>an</i>	<i>without</i>
	<i>oxid</i>	<i>oxygen</i>
chlorophyll	<i>chloro</i>	<i>green</i>
	<i>phyll</i>	<i>leaf</i>
holoplankton	<i>holo</i>	<i>whole</i>
	<i>plankt</i>	<i>wandering</i>
ichthyology	<i>ichthyo</i>	<i>fish</i>
	<i>logy</i>	<i>study of <b>OR</b> science of</i>

References: Borror, D.J. 1971. Dictionary of Word Roots and Combining Forms. Mayfield Publishing Company, Palo Alto, CA. Brown, R. W. 1985. Composition of Scientific Words. Smithsonian Institution Press, Washington, DC.