

Listen to the ocean from western music compositions

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In the view of geoscience, ocean study is usually referred to scientific fields such as physical oceanography, chemical oceanography, marine biology and marine geology. In this paper, a dialogue between ocean science and music, i.e. between science and humanity, will be briefly demonstrated by introducing some compositions. Wave conditions, climate change, coastal landform, and other natural events around or over the sea are clearly and vividly presented in these music works. They are *Meeresstille* by Schubert, *Étude Op.25 No.12* by Chopin, *Fingal's Cave Overture* by Mendelssohn, *Der Fliegende Holländer* by Wagner and *La Mer* by Debussy. These works may give a novel way not for science teachers but also music teachers to deliver the knowledge of ocean science in classes.

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