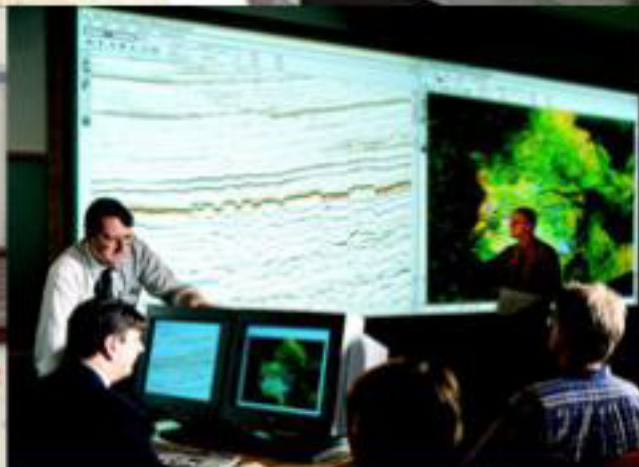
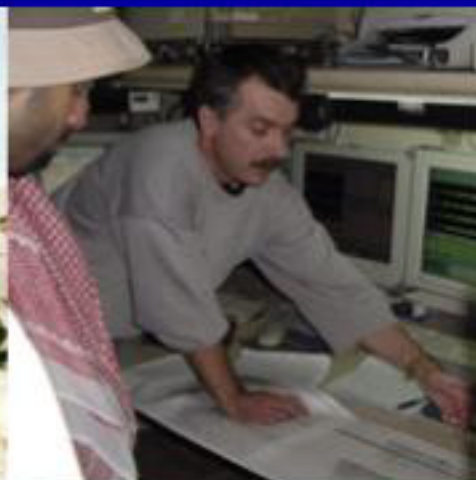
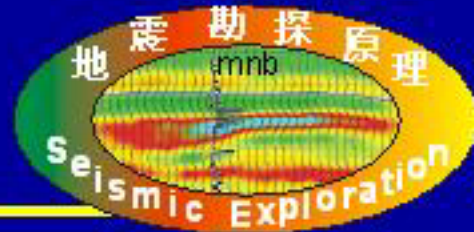


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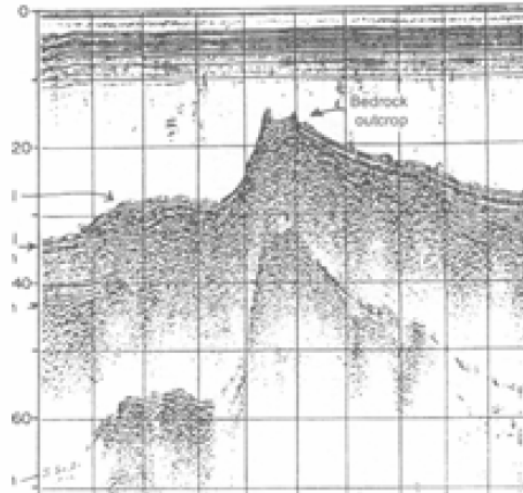
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Exercise 16:

Determine the vertical and horizontal resolution for a seismic measurement at a depth z for a maximum frequency f and a seismic velocity v :

- (a) $f=3.5$ kHz, $z=50$ m, $v=1600$ m/s
- (b) $f=30$ Hz, $z=3000$ m, $v=3500$ m/s
- (c) $f=100$ Hz, $z=100$ m, $v=1800$ m/s
- (d) Suggest a typical application for the resolution and parameters of (a), (b) & (c).
- (e) Which seismic source is appropriate for (a), (b) & (c).

Exercise 17:



Identify the reflection and the accompanying multiple in this figure