

To complete this worksheet, see the instructions in the textbook (Chapter 5 Investigation).

Table 1. Interpretation of Features, Tectonic Settings, and Causes of Melting

For each site on figure 5.15.a1 in the Chapter 5 Investigation in the textbook (also page 3 of this worksheet), identify the following:

- the type of plate boundary or other setting. Possible choices include: (1) oceanic divergent, (2) continental rift, (3) ocean-ocean convergent, (4) ocean-continent convergent, (5) continental collision, (6) hot spot in an ocean, or (7) hot spot in a continent. All of these settings are not present in this area;
- the most likely cause of melting. The options are (1) decompression melting either beneath a mid-ocean ridge or near a rising mantle plume.

