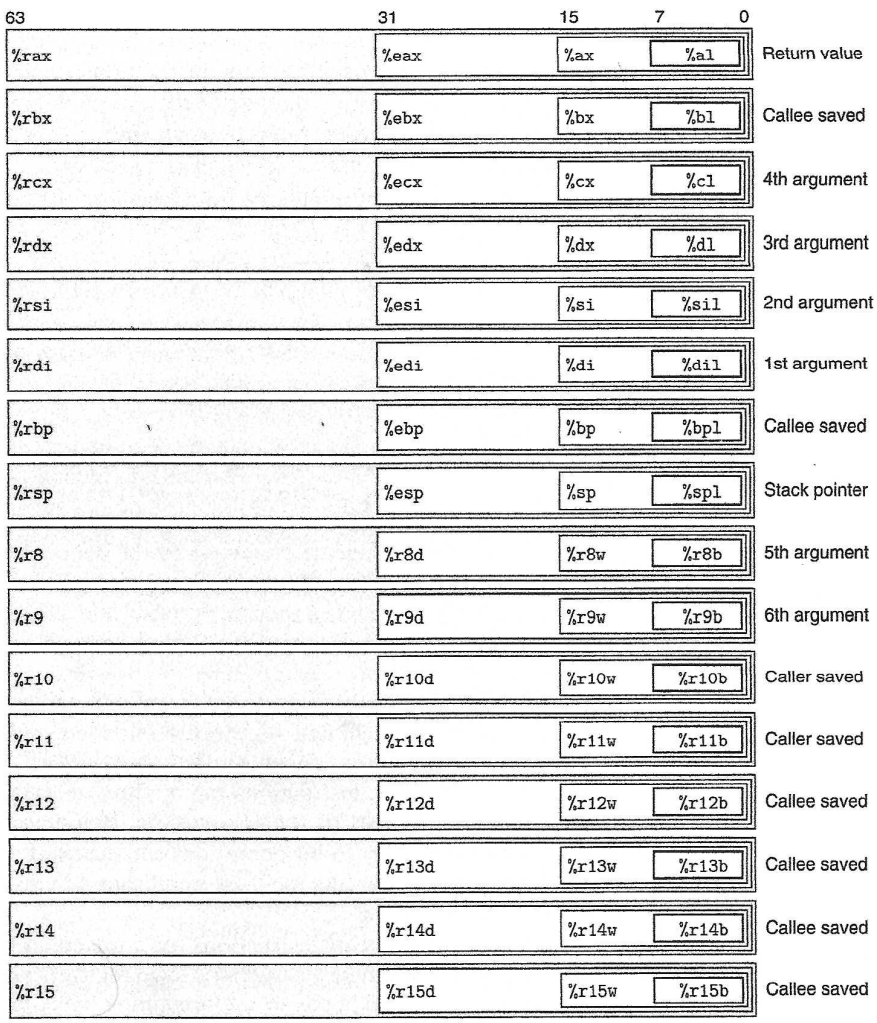

Figure 3.2 **Integer registers.** The low-order portions of all 16 registers can be accessed as byte, word (16-bit), double word (32-bit), and quad word (64-bit) quantities.

arguments, returning values from functions, and storing local and temporary data. We will cover these conventions in our presentation, especially in Section 3.7, where we describe the implementation of procedures.

3.4.1 Operand Specifiers

Most instructions have one or more *operands* specifying the source values to use in performing an operation and the destination location into which to place the