Quiz 3 Answers

1. What is a method?

   A method is a function associated with a class.

2. What effect does the keyword `public` have on a data member of a class in C++?

   A `public` data member may be directly accessed by any code that can access an object of the class.

3. What effect does the keyword `public` have on a method of a class in C++?

   A `public` method may be called by any code that can access an object of the class.

4. What effect does the keyword `private` have on a data member of a class in C++?

   A `private` data member may only be accessed by code in a method of the class.

5. What effect does the keyword `private` have on a method of a class in C++?

   A `private` method may only be called from another method of the class.

6. By default, all members of a C++ `class` allow what level of access?

   All members of a C++ `class` are `private` by default.

7. By default, all members of a C++ `struct` allow what level of access?

   All members of a C++ `struct` are `public` by default.

8. What is a constructor?

   A method called when a new object is created. It initializes the data members of the object.

9. When is a constructor called?

   A constructor is called whenever a new object is created.

10. How many different types of constructors may a class have?

    A class may have as many constructors as you want.

11. What is the return type of a constructor?

    Constructors do not have a return type.