In general the main difference between C# and .NET Framework is the fact that the first is a programing language, while the former is the platform (thus Framework) it is supposed to run on.

C# is a modern-day object-orientated language. It is intended to be simple, both declarative and imperative language. Automatic garbage collection and economical use of memory and processing power are also main features for C# (both being key-features in .NET Framework).

.NET Framework is the environment for executing of .NET programs. It includes a build-in library of classes, as well as an execution engine for multiple languages. The execution engine known as Common Language Runtime serves as a virtual machine for applications supported by the .NET Framework.