**Response.Redirect vis-à-vis Server.Transfer**

* Response.Redirect involves a roundtrip to the server whereas Server.Transfer conserves server resources by avoiding the roundtrip. It just changes the focus of the webserver to a different page and transfers the page processing to a different page.
* Response.Redirect can be used for both .aspx and html pages whereas Server.Transfer can be used only for .aspx pages.
* Response.Redirect can be used to redirect a user to an external websites. Server.Transfer can be used only on sites running on the same server. You cannot use Server.Transfer to redirect the user to a page running on a different server
* Response.Redirect changes the URL in the browser. So they can be bookmarked. Whereas Server.Transfer retains the original URL in the browser. It just replaces the contents of the previous page with the new one.

**Response.Redirect**

1. Response.Redirect will send you to a new page, update the address URL and add it to the browser History, you can go back on the browser.
2. Response.Redirect redirects the request to some plain HTML pages on the same server or to some other web server.
3. Response.Redirect causes additional roundtrips to the server on each request.
4. Response.Redirect doesn’t preserve Query String and Form Variables from the original request.
5. Response.Redirect enables to see the new redirected URL where it is redirected in the browser (and be able to bookmark it if it’s necessary).
6. Response.Redirect simply sends a message down to the (HTTP 302) browser.

**Server.Transfer**

1. Server.Transfer does not change the address URL, you cannot go back on the browser.
2. Server.Transfer transfers current page request to another .aspx page on the same server.
3. Server.Transfer preserves server resources and avoids the unnecessary roundtrips to the server.
4. Server.Transfer preserves Query String and Form Variables (optionally).
5. Server.Transfer doesn't show the real URL where it redirects the request on the browser.
6. Server.Transfer happens without the browser knowing anything, the browser requests a page, but the server returns the content of another.