1.

App：①Not running；②Inactive；③Active；④Background；⑤Suspended

ViewController：①alloc/init；②loadView；③viewDidLoad；④viewWillAppear；⑤viewDidAppear；⑥viewWillDisappear；⑦viewDidDisappear；⑧dealloc

2.

①UIScrollView；②UITableView；③UICollectionView；④UIWebView&WKWebView ；⑤UIButton

3.

①tableView:didSelectRowAtIndexPath:

②tableView:shouldHighlightRowAtIndexPath:

③tableView:cellForRowAtIndexPath: