React Js Interview Questions and Answers  
  
Q1) What happens when you call setState?

The first thing React will do when setState is called is merge the object you passed into setState into the current state of the component. This will kick off a process called reconciliation. The end goal of reconciliation is to, in the most efficient way possible, update the UI based on this new state. To do this, React will construct a new tree of React elements (which you can think of as an object representation of your UI). Once it has this tree, to figure out how the UI should change in response to the new state, React will diff this new tree against the previous element tree. By doing this, React will then know the exact changes which occurred, and by knowing exactly what changes occurred, will able to minimize its footprint on the UI by only making updates where necessary

Q2) What's the difference between an Element and a Component in React?  
  
Q3) When would you use a Class Component over a Functional Component?  
  
Q4) What are refs in React and why are they important?  
  
Q5) What are keys in React and why are they important?  
  
Q6) If you created a React element like Twitter below, what would the component definition of Twitter look like?  
  
Q7) What is the difference between a controlled component and an uncontrolled component?  
  
Q8) In which lifecycle method do you make AJAX requests with a Class component?  
  
Q9) What does shouldComponentUpdate do and why is it important?  
  
Q10) How do you tell React to build in Production mode and what will that do?  
  
Q11) Why would you use [React.Children.map](http://react.children.map/)(props.children, () => ) instead of [props.children.map](http://props.children.map/)(() => )  
  
Q12) Describe how events are handled in React.  
  
Q13) What is the difference between createElement and cloneElement?  
  
Q14) What is the second argument that can optionally be passed to setState and what is its purpose?