

## QUIZ

A new React component is added to the DOM for the first time. What phase of the component lifecycle is this?

Updating

Mounting



Correct! Mounting occurs when a component is first set up.

Unmounting

None; this is not a lifecycle phase

Which of these lifecycle methods is called ONLY during the mounting phase?

`render()`

`componentDidMount()`



Correct! `componentDidMount()` is the last method called during the mounting phase.

`componentWillUnmount()`

`componentDidUpdate()`

Fill in the code so that the component will clean up properly.

```
import React from 'react';

class Countdown extends React.Component {
  constructor(props) {
    super(props);

    const now = Date.now();
    const oneMinuteFromNow = now + 1000 * 60;
    this.state = {
      now,
      countdownTo: oneMinuteFromNow,
    };
  }

  componentDidMount() {
    this.intervalID = setInterval(() => {
      this.setState({ now: Date.now() });
    }, 1000);
  }

  componentWillUnmount() {
    clearInterval(this.intervalID);
  }

  render() {
    const secondsLeft = Math.floor(
      (this.state.countdownTo - this.state.now) / 1000
    );
    return <div>{secondsLeft}s left</div>;
  }
}
```



You got it!

Which of these is NOT a phase of a React component's lifecycle?

Updating

Rendering



Correct! Rendering happens during a component's lifecycle, but it is not a lifecycle phase.

Unmounting

Mounting

Which of these lifecycle methods is called during the unmounting phase?

`componentDidUpdate()`

`componentDidMount()`

`componentWillUnmount()`



Correct! `componentWillUnmount()` is called during the unmounting phase.

`componentDidUnmount()`

During which phase or phases is `render()` called?

During updating

During mounting and updating



Correct! `render()` is called in both of these phases.

During mounting

During all phases

True or false: the constructor is a good place to set up side-effects in a component.

True

False



Correct! If you want to set up side-effects when a component mounts, use `componentDidMount()`.

Which of these lifecycle methods is called during the updating phase?

`constructor()`

`componentDidMount()`

`componentWillUnmount()`

`componentDidUpdate()`



Correct! `componentDidUpdate()` is called during the update phase.

A React component is removed from the DOM. What phase of the component lifecycle is this?

Unmounting



Correct! A component unmounts when it is removed from the DOM.

Updating

Mounting

None; this is not a lifecycle phase

Several methods are called during the mounting phase. Which of these is the correct order?

`componentDidMount(), constructor(), render()`

`constructor(), render(), componentDidMount()`



Correct! The component instance is constructed, then rendered. Once rendering is done, `componentDidMount()` is called.

`render(), constructor(), componentDidMount()`

`constructor(), componentDidMount(), render()`

A React component's props change. What lifecycle phase will it enter?

None; this is not a lifecycle phase

Updating



Correct! When a component's state or props change, it will update.

Mounting

Unmounting