

Name: _____ Date: _____

Answer Key: Neon Nodes and Static Sparks: 8th Grade Web Dev Quiz

Students decode complex site logic and visual hierarchies while troubleshooting the scripts and styles that bring static pages to life.

1. If you are designing a high-contrast accessibility mode for a website, which CSS property would you modify to ensure the text remains legible against a dark background?

Answer: B) color

The 'color' property in CSS defines the foreground color of an element's text content, which is essential for managing contrast ratios.

2. A developer can use JavaScript to change the attribute of an HTML element after the page has already finished loading in the browser.

Answer: A) True

JavaScript interacts with the Document Object Model (DOM), allowing it to dynamically update content, styles, and attributes in real-time without a full page refresh.

3. When building a navigation bar, the ___ tag is used to define an individual item within an unordered list.

Answer: A)

The (list item) tag is the semantic way to represent items inside both and containers.

4. Which of the following JavaScript snippets would correctly log 'Hello World' to the browser's developer console?

Answer: B) console.log('Hello World');

The console.log() method is the standard way to output data to the web console for debugging purposes.

5. In the CSS Box Model, the 'padding' property creates space outside the border of an element, pushing other elements away.

Answer: B) False

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Padding creates space inside the border, between the content and the border. 'Margin' is the property that creates space outside the border.

6. To make a website 'responsive' so it looks good on both a phone and a laptop, developers use CSS ___ queries to apply different styles based on screen size.

Answer: B) media

Media queries are a powerful tool in CSS used to create responsive designs by testing the viewport width, height, or orientation.

7. Analyze this HTML: Explore Earth. What is the role of the 'href' part of this line?

Answer: B) It specifies the destination URL of the link.

The 'href' (hypertext reference) attribute provides the actual web address for the hyperlink.

8. In JavaScript, a ___ is used to store data values that can be reused throughout your script, such as 'let score = 10;'.

Answer: A) variable

Variables act as containers for storing data values, defined in modern JS using keywords like 'let' or 'const'.

9. An ID selector in CSS (e.g., #header) is intended to be used on only one unique element within a single HTML page.

Answer: A) True

Unlike classes, which can be applied to many elements, an ID must be unique within the page's HTML structure.

10. A student wants to create a pop-up alert that triggers when a user submits a form. Which technology is best suited for this task?

Answer: C) JavaScript

JavaScript is the logic and behavior layer of the web, used for event handling and creating interactive elements like alerts.