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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?

- A. font-family
- B. color
- C. text-align
- D. z-index

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

- A. True
- B. False

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

- A.
- B.
- C. <nav>
- D. <a>

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

- A. print('Hello World');
- B. console.log('Hello World');
- C. system.out.println('Hello World');
- D. document.write('Hello World');

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

- A. True
- B. False

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.

- A. condition
- B. media
- C. screen

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D. flex

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

- A. It defines the text that the user clicks on.
- B. It specifies the destination URL of the link.
- C. It tells the browser to open the link in a new tab.
- D. It changes the color of the link text.

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

- A. variable
- B. selector
- C. tag
- D. comment

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

- A. True
- B. False

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?

- A. CSS
- B. HTML
- C. JavaScript
- D. XML