Name: _____   Date: _____

Build Bolder Backend-Free Websites: 10th Grade Web Dev Quiz

Students analyze DOM manipulation, semantic structure, and responsive design logic across 10 challenging web development scenarios.

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1. When designing for accessibility, which HTML attribute is most crucial for providing context to screen readers when an image is used as a functional link?

    A.   title

    B.   src

    C.   alt

    D.   href

2. In the CSS Box Model, which property creates space outside of an element's defined border, separating it from adjacent elements?

    A.   Padding

    B.   Margin

    C.   Outline

    D.   Width

3. In JavaScript, the 'const' keyword allows a developer to declare a variable that can be reassigned to a new value later in the script.

    A.   True

    B.   False

4. Which CSS layout module is specifically designed for a one-dimensional layout, distributing space along either a single row or a single column?

    A.   CSS Grid

    B.   Floats

    C.   Flexbox

    D.   Absolute Positioning

5. To change the text of an HTML element with the ID 'status' using JavaScript, a developer would use the _____ property of the DOM object.

    A.   innerHTML

    B.   value

    C.   src

    D.   style

6. The <section> and <article> tags in HTML5 are semantic elements that convey meaning to the browser and search engines about the type of content they contain.

    A.   True

B.   False

7. When applying styles, which of the following CSS selectors has the highest level of 'specificity'?

A.   The Universal Selector (*)

B.   Class Selectors (.class-name)

C.   Element Selectors (h1, p)

D.   ID Selectors (#unique-id)

8. In JavaScript, a(n) _____ is a data structure used to store an ordered list of values, accessed via numerical indices starting at 0.

A.   Object

B.   String

C.   Array

D.   Boolean

9. Which CSS property is used to create a responsive layout by checking the width of the user's viewport?

A.   @media

B.   @import

C.   display: responsive

D.   z-index

10. JavaScript is an interpreted language, meaning the code is executed line-by-line by the browser's engine rather than compiled into a separate binary file before running.

A.   True

B.   False