

Name: _____ Date: _____

Answer Key: Neon Blueprints: A 6th Grade Web Architect's Quiz

Students apply structural logic and styling principles to transform static wireframes into professional-grade digital storefronts and interactive portfolios.

1. Imagine you are building a digital library. Which tag would you use to create a clickable connection to an external encyclopedia website?

Answer: B) <a>

The <a> (anchor) tag is specifically designed to create hyperlinks that connect different web pages together.

2. In the 'Box Model' of CSS, the 'padding' property creates space inside the element's border, while 'margin' creates space outside it.

Answer: A) True

Padding adds internal breathing room for content, whereas margin pushes neighboring elements away horizontally or vertically.

3. When a user clicks a 'Dark Mode' toggle on a weather app, which technology is primarily responsible for changing the background color instantly without reloading the page?

Answer: C) JavaScript

JavaScript handles logic and real-time document manipulation, allowing the site to react to user input like clicks.

4. You are designing a pastry shop's menu. To make the price of the 'Chocolate Croissant' bold and italics at the same time using CSS, which combination of properties is best?

Answer: A) font-style and font-weight

Font-weight controls the boldness (e.g., bold), while font-style controls the slant (e.g., italic).

5. In the HTML of a space exploration blog, if you want to display an image of Mars, you must use the _____ attribute to tell the browser the file's location.

Answer: B) src

The 'src' (source) attribute points the browser to the exact file path or URL of the image you want to render.

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6. JavaScript is considered the 'skeleton' of a website because it provides the essential bone-like structure for the text and images.

Answer: B) False

HTML is the skeleton (structure); JavaScript is more like the nervous system (interactivity and movement).

7. Which of these is a semantic HTML element that helps search engines understand that a piece of text is the most important title on the entire page?

Answer: C) <h1>

The <h1> tag indicates the top-level heading. Higher numbers like <h6> represent smaller, less significant sub-headings.

8. To create a numbered list of instructions for a science experiment, which HTML tag should you use to wrap your list items?

Answer: C)

 stands for 'ordered list,' which automatically numbers each item sequentially.

9. If you want every paragraph on your website to be centered, you should write the CSS rule: p { text-align: center; }

Answer: A) True

This is a standard CSS selector that targets all <p> elements and applies the text-align property.

10. A developer writes a script that prevents a user from submitting a form if their password is too short. This 'check' is an example of:

Answer: B) Input Validation

Validation is a key use of JavaScript to ensure data is correct and secure before it is sent to a server.