

Name: _____ Date: _____

Invisible Blueprints and Digital Puppetry: A 5th Grade Web Architect Quiz

Students gain the ability to synthesize code by predicting how layout, style, and logic combine to form interactive digital ecosystems.

1. Imagine you are building a digital 'Pet Dragon' page. If you want the dragon's scales to change from green to gold when a user clicks a button, which technology is primarily responsible for that logic?

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

2. In the world of web design, if HTML is the skeleton of a building, and CSS is the paint and decor, then _____ is the elevator system that moves people between floors.

- A. Python
- B. JavaScript
- C. SQL
- D. Java

3. True or False: Using the <footer> tag in HTML automatically makes the text at the bottom of the page look small, gray, and centered without any extra code.

- A. True
- B. False

4. You want to create a 'Space Explorers' website where every paragraph (<p>) has a glowing neon border. Which code snippet would a developer use to achieve this across the whole site?

- A. `p { border: 2px solid neon; }`
- B. `<p border='neon'>`
- C. `var paragraph = 'neon';`
- D. `h1 { glow: true; }`

5. A student wants to create a navigation link to another page. They use the <a> tag, but they must include the _____ attribute to tell the browser exactly where the link should go.

- A. src
- B. href
- C. link
- D. alt

6. True or False: JavaScript can be used to perform a mathematical calculation, such as $10 + 20$, and then display that result inside an HTML element automatically.

- A. True

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B. False

7. Which of these scenarios demonstrates the 'Integration of Technologies' (HTML, CSS, and JS working together)?

- A. Displaying a plain black text list on a white background.
- B. A button that is styled pink, labeled 'Buy Now', and pops up a thank-you message when clicked.
- C. Writing a long story in a notepad file without any tags.
- D. Using a search engine to find a picture of a cat.

8. If a developer wants to make a website look perfect on both a giant TV and a tiny smartphone, they use a CSS technique called ____ Design.

- A. Rebound
- B. Responsive
- C. Static
- D. Binary

9. You are debugging a page. The text is there, and the buttons work, but everything is in one long column and the colors are missing. Which file is likely broken or missing?

- A. The .html file
- B. The .js file
- C. The .css file
- D. The .jpg file

10. True or False: In HTML, the difference between an tag and an tag is that one creates a bulleted list and the other creates a numbered list.

- A. True
- B. False