

Name: _____ Date: _____

Nail These Pro Web Recipes: 3rd Grade Coding Challenge

Synthesize structural tags, style rules, and logic events to build a virtual space explorer dashboard in this advanced architectural mission.

1. You are building a digital 'Pet Dragon' page. To make the background look like a dark cave, which CSS rule would you combine with an HTML body tag?

- A. body { color: black; }
- B. body { background-color: black; }
- C. body { font-size: 20px; }
- D. body { list-style: cave; }

2. If you want a JavaScript instruction to run only when a user clicks an image of a 'Treasure Chest', you should use the _____ event attribute.

- A. onhover
- B. onload
- C. onclick
- D. onscroll

3. True or False: Using an tag in HTML is enough to make a photo grow larger when a mouse moves over it without using CSS or JS.

- A. True
- B. False

4. Imagine you are creating a 'Secret Agent' decoder. Which technology would you use to calculate the secret answer after the user types in a code?

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

5. To create a bulleted list of 'Space Mission Goals', you would wrap your list items inside the _____ HTML tag pair.

- A. and
- B. <p> and </p>
- C. <h1> and </h1>
- D. and

6. True or False: If you write the CSS 'p { color: red; }', every single paragraph on your page will turn red.

- A. True
- B. False

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7. You want to create a 'Night Mode' button. Which workflow is the most logical way to build this feature?

- A. CSS creates the button, HTML styles it, JS does nothing.
- B. HTML creates the button, CSS makes it look dark, JS changes the color when clicked.
- C. JS creates the structure, CSS adds the text, HTML adds the logic.
- D. HTML creates the link, JS adds a photo, CSS adds a sound.

8. To change the space between the border of a 'Submit' button and the text inside it, a developer uses the CSS _____ property.

- A. margin
- B. padding
- C. border-style
- D. font-weight

9. Which of these is the correct way to organize a website's 'Skeleton' so it's easy for others to read?

- A. Put all the JS code inside the <h1> tag.
- B. Use nesting, like putting inside of .
- C. Write all the code on one single long line.
- D. Only use CSS and skip HTML entirely.

10. True or False: JavaScript can be used to show a pop-up message that says 'Happy Birthday!' when a user types their age into an HTML form.

- A. True
- B. False