

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.

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**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 `<img>` 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. `<ul>` and `</ul>`
- B. `<p>` and `</p>`
- C. `<h1>` and `</h1>`
- D. `<img>` and `</img>`

**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 <li> inside of <ul>.
- 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