

Name: _____ Date: _____

Answer Key: Build Your Own Legend: 2nd Grade Web Architect Quest

Young coders synthesize HTML, CSS, and JS logic to transform static elements into an interactive digital storybook world.

1. You are building a digital zoo. You use `` to add a lion, but the lion is way too big! Which tool do you need to change its size?

Answer: B) CSS (the Designer)

While HTML puts the lion on the page, CSS is the tool we use to change styling like size, color, and position.

2. Imagine a robot on your screen. If HTML is the robot's metal body and CSS is its shiny red paint, _____ is the battery and brain that lets it dance.

Answer: C) JavaScript

JavaScript is the programming language that adds 'behavior' or movement to our web creations.

3. True or False: If you delete all the HTML from your project, the CSS and JavaScript will still have a website to show.

Answer: B) False

HTML is the foundation or 'skeleton.' Without it, there is no content for the CSS to style or the JS to move.

4. You want your website to say 'CLICK HERE' in a big box. When a student clicks it, a hidden dragon appears! What is the best way to plan this?

Answer: B) Use HTML for the box and dragon, CSS to hide it, and JS for the click.

Planning requires synthesis: HTML creates the elements, CSS hides the dragon initially, and JS listens for the interaction (the click).

5. To make a list of your favorite snacks on a webpage, you use the `` and `` tags. This is an example of creating _____.

Answer: A) Structure

Using tags to organize information like lists or paragraphs is the job of HTML, which provides structure.

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6. True or False: In web development, you can use CSS to make a button turn neon purple when you hover your mouse over it.

Answer: A) True

CSS handles visual states, including hover effects that change the look of an element based on where the mouse is.

7. If you are writing a line of code like: `element.hide()`; — which part of the web 'team' are you likely using?

Answer: C) JavaScript

Commands that tell things to happen (like hiding an item) are functions, which are part of JavaScript.

8. When we want to change the font of our text to look like 'Minecraft' letters, we go to our _____ file to find the 'font-family' property.

Answer: C) CSS

CSS is responsible for all visual typography, which includes choosing fonts and text styles.

9. You want to make a 'Dark Mode' switch for your site. Which two languages must work together to change the background color when a user flips the switch?

Answer: B) CSS and JavaScript

JavaScript detects the switch flip (interaction) and then tells the CSS to change the background color (styling).

10. True or False: A 'tag' like `<p>` is a special instruction used in CSS to start a new paragraph.

Answer: B) False

Tags (like `<p>`) are used in HTML to define the parts of a page, not in CSS.