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</html><!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Childhood Experience Simulation</title>
</head>
<body>
  <h1>Childhood Experiences Simulation</h1>
  <p>Experience childhood scenarios and see how they impact your epigenome and
future!</p>
  <button onclick="startSimulation()">Start Simulation</button>
  <div id="output"></div>

  <script>
    let EpigenomeScore = 50; // Starting Epigenome score (out of 100)
    const scenarios = [
      {
        description: "Your parents argue incessantly; sometimes their arguments become
violent. Throughout your early life, you witness these events. How does this experience affect
your Epigenome?",
        effect: "This experience leaves a negative signature on your epigenome. Toxic
experiences can alter chemical signatures, affecting how you respond to stress as an adult.",
        result: -15
      },
      {
        description: "You are exposed to positive, loving relationships throughout your
childhood. You make strong bonds with a variety of individuals. How does this experience affect
your Epigenome?",
        effect: "This experience leaves a positive signature on your epigenome, positively
influencing health, skills, and resilience.",
        result: 20
      },
      {
        description: "You have an identical twin. In contrast to that twin, your parents educate
you on the game of chess. You train intensely. How does this experience affect your
Epigenome?",
        effect: "This experience enhances cognitive function and critical thinking, favoring
cognitive development.",
        result: 10
      },
      {

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        description: "You are exposed to toxic chemicals during the fetal or infant stages of
development. How does this experience affect your Epigenome?",
        effect: "This experience increases risk for certain illnesses and changes brain
architecture, reducing biological function.",
        result: -20
    }
];
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```
function startSimulation() {
    EpigenomeScore = 50; // Reset Epigenome score
    document.getElementById("output").innerHTML = "";
    runScenarios();
}
```

```
function runScenarios() {
    scenarios.forEach((scenario) => {
        const userChoice = confirm(`${scenario.description}\n\n${scenario.effect}\n\nDo you
accept this experience? (OK = Yes, Cancel = No)`);

        if (userChoice) {
            EpigenomeScore += scenario.result;
            alert(`Effect applied: ${scenario.result > 0 ? "+" : ""}${scenario.result} to your
Epigenome score.`);
        } else {
            alert("You avoided this experience. No change to your Epigenome.");
        }
    });

    endSimulation();
}
```

```
function endSimulation() {
    let resultMessage;

    if (EpigenomeScore >= 80) {
        resultMessage = "You had a positive and fulfilling childhood. Your experiences
benefitted your Epigenome and led to a productive life!";
    } else if (EpigenomeScore >= 40) {
        resultMessage = "You had a mixed childhood. Your experiences both benefitted and
disadvantaged your Epigenome. You became productive but encountered some challenges.";
    } else {
        resultMessage = "You faced a hostile childhood. Your experiences disadvantaged
your Epigenome and led to a dysfunctional life.";
    }
}
```

```
document.getElementById("output").innerHTML = `
  <h2>Simulation Complete!</h2>
  <p>Your final Epigenome score: ${EpigenomeScore}</p>
  <p>${resultMessage}</p>
`;
}
</script>
</body>
</html>
```