

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5
6  button {
7      width:100px;
8      height:100px;
9
10 }
11 #picBox {
12
13 width:300px;
14 height:500px;
15 background-color:#0099FF;
16 float:right;
17 margin-right: 80px;
18
19 }
20
21
22 </style>
23
24 </head>
25 <body>
26
27 <p>Click the button to make a BUTTON element with text.</p>
28
29 <button onClick="myFunction()">Try it</button>
30
31 <script>
32 function myFunction() {
33 //this creates 6 buttons, you will need 26
34 for(x=1;x<=6;x++){
35     //use the createElement function to create known HTML elements
36     var btn = document.createElement("BUTTON");
37     var myP = document.createElement("br");
38
39     //why start at 64? Because the letter 'A' is code 65
40     var letter = String.fromCharCode(x+64);
41     var t = document.createTextNode(letter);
42     //add the text stored in 't' to the our button variable
43     btn.appendChild(t);
44     //give the btn an id to make it easy to access later
45     btn.id =letter;
46     //this is how to add an event to the button -- name the event and
47     //then include the function you want it to perform
48     btn.addEventListener("click", checkLetter);
49     btn.addEventListener("mouseover", changeColor);
50     btn.addEventListener("mouseout", changeColor2);
51     //add the btn to the page
52     document.body.appendChild(btn);
53     //add a line break 'myP' after 3 buttons
54     if (x%3==0) {
55         document.body.appendChild(myP);
56     }
57 }
58 }
59
60 function checkLetter(){
61     //this refers to the object that called this function
62     alert("You clicked: " + this.id);
63     document.getElementById("p1").innerHTML += this.id;
64     document.getElementById("picBox").innerHTML = "Change this to a picture of your
        choice";
65     document.body.style.backgroundColor ="pink";
66 }

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```
67  function changeColor(){
68      this.style.backgroundColor="blue";
69
70  }
71  function changeColor2(){
72      this.style.backgroundColor="lightblue";
73  }
74  </script>
75  <p id ="p1"> Letters picked: </p>
76  <div id= "picBox"></div>
77  </body>
78  </html>
79
```