

Know:

- Terms from the beginning of the year
- HTML tags:
 - **Basic template tags**
 - **All tags covered in class and tutorials**, including:
 - Lists
 - Tables
 - images
 - Links:
 - To other web pages on the world wide web
 - To other web pages within your web site
 - To the top of the page
 - To the middle of another web page on your web site
 - Div tags
 - Span tags
 - Adding ids
 - Adding classes
- CSS:
 - **All styling options covered in tutorials**
 - Background images: tiled, not repeating and positioned, only tiling up and down, only tiling across
 - Padding versus margin
 - Width versus border-width
 - Styling ids
 - Styling classes
 - Styling tags within a div tag
 - Positioning: absolute, fixed, relative, and float
- Colors: RGB and hex

Chocolate Code-off Challenge:

Note that in the code-off, there are references to images and to pixel distances. Since you can't necessarily precisely draw a vampire or 32 pixels in from the left, I'm looking for the general idea. Guestimates are fine.

Match the following:

_____1. Internet	A. Set of rules used for transferring data and getting it to the right destination
_____2. TCP/IP	B. Requests web page from server and displays web page
_____3. HTTP	C. Unique address for every web page on the www
_____4. Browser	D. Tells data where to go next across the internet
_____5. URL	E. Divisions in web pages to make styling easier
_____6. Server	F. For formatting web pages
_____7. HTML	G. Large, lots of resources, always available, honors requests
_____8. CSS	H. Rules for transferring web pages across the internet
	I. Used for styling web pages
	J. Unique address for every computer connected to the internet
	K. A set of networks connected by a common set of rules

Match the following:

_____ 1. 5 #CA2FD1;	1. Reddish
_____ 2. 1 #DE3125;	2. Yellowish
_____ 3. 4 rgb(22, 222, 233);	3. Greenish
_____ 4. 7 #000000;	4. Cyanish (Green-Blueish)
_____ 5. 8 rgb(255,255,255);	5. Purplish
_____ 6. 9 #8A8A8A;	6. Bluish
_____ 7. 6 rgb(13, 31,244);	7. Black
_____ 8. 3 #2FF22F;	8. White
_____ 9. 2 rgb(244, 236,22);	9. Gray

Problem 1:

There are at least 5 things that won't validate about this code. List 4 and explain why they are invalid (Note: don't worry about bad quotes. This is an MS word document and the quotes were changed without my consent.)

```
<!doctype html>
<html>
  <head>
    <meta charset = "utf-8">
    <title> An Awesome Web Page </title>
    <h1> Web Stuff</h1>
  </head>
  <body>
    <div id = "web">
      <h2>Random Web Page </h2>
      <p>
        <a href = "#web">link</a>
        Here is where there's a lot of <div class = "boldtext"> stuff </div>about the web.
        <img src = "Images/web.jpg" width = "100" height = "150">
      </p>
      <h2>Part Two </h2>
      <ul> Top 2 Cereals
        <li> Cheerios </li>
        <li><h3>Honey Nut Cheerios </h3></li>
      </ul>
      <a id = "web"> bottom of web page </a>
    </div>
  </body>
</html>
```

1. _____
2. _____
3. _____
4. _____

Problem 2: Given the following code snippet, add code so that the image becomes a link to the University of Delaware:

```
<img src = "bluehen.jpg" height = "100" width = "100" alt = "Delaware's logo">
```

Problem 3: Given the following code snippet, create a link to the text, "Best Web Page":

```
<body>
  <h1 id = "top"> Requirements </h1>
  <h2 id = "t2">Best Web Page </h2>
  <p id = "p1">This is a web page on rules for making a good web page </p>
  <p id = "p2">Frankenstein (there had to be a monster in here somewhere... </p>
  <p id = "p3">_____ </p>
```

Problem 4: Given the following html code snippet, draw the (partial) web page that would result:

```
<ol>
  <li>Zombie
  </li>
  <li>Witch
    <ul><li> Ursula
      </li>
      <li>Belatrix
      </li>
      <li>Melisandre
      </li>
    </ul>
  </li>
  <li>werewolf
  </li>
</ol>
```

Problem 5: Given the following html code snippet, draw the (partial) web page that would result:

```
<form>
  <p>
    <input type = "radio" name = "gore" value = "ghost"> ghoul <br>
    <input type = "radio" name = "gore" value = "teeth" checked = "checked"> vampyre <br>
    <input type = "radio" name = "gore" value = "brew"> witch <br>
  </p>
  <p><textarea rows = "3" cols = "100"> How can we scare you?</textarea>
</p>
  <p><input type = "button" value = "get scared">
</p>
</form>
```

Problem 6: Given the following html and css snippets, draw the resulting web page:

```
<style>
  h2 { border-style: solid;
        border-width: 2px;
        border-color: black;
        padding-top: 80px;
        padding-bottom: 0px;
        text-align: right;
        font-style: italic;
        font-size: 350%;
        background-image: url(Images/smallghost2.png);
        background-repeat: no-repeat;
        background-position: top right;
      }
</style>
</head>
<body>
  <h2> Uearthly </h2>
</body>
```

Problem 7: Given the following HTML and CSS snippets, draw the resulting web page (pay attention to padding and margins):

```
<style>
  #ghost {width: 200px;
          border-style: solid;
          border-color: black;
          border-width: 2px;
          padding: 0px;
          margin: 25px;
          float: right;
          }
  #all {width: 300px;
        border-style: dashed;
        border-color: black;
        border-width: 2px;
        margin: auto;
        padding: 0px;
        }
  #bottom {clear: right;}
</style>
</head>
<body>
<div id = "all">
  <p> eek eek eek eek eek eek eek eek eek
  </p>
  <div id = "ghost">
    <img src = "Images/ghost2.jpg" width = "150" height = "200"
        alt = "silly ghost">
  </div>
  <p> boo boo boo boo boo boo boo boo boo
  </p>
  <div id = "bottom"> </div>
</div>
</body>
```

Problem 8: The following code snippet in and of itself, results in the web page (shown below the code):

```
<img src = "Images/bats.gif" id = "b1" width="300" height = "450"  
alt = "flying bats">  
<img src = "Images/fangs.gif" id = "f1" width="90" height = "60"  
alt = "fangs with blood">  
<img src = "Images/ghost.png" id = "c1" height = "300" width = "250"  
alt = "cow pic">
```



The above code snippet would result if no css was included, if, however, the css below was included, draw the resulting web page (rough estimates are fine):

```
#b1 { width: 300px;  
      z-index:2;  
      }  
#f1 {position: relative;  
     top: -40px;  
     left: -210px;  
     z-index: 8;  
     }  
  
#c1 {position: relative;  
     top: 30px;  
     left: -390px;  
     z-index: 5;  
     }
```

Problem 9: Given the following html/css code, draw the web page that would result:

```
<!doctype html>
<html>
  <head>
    <meta charset = "utf-8">
    <title> An Awesome Web Page </title>
    <style> p {width: 20px;
      padding-top: 10px;
      padding-bottom: 10px;
      border-style: solid;
      border-width: 3px;
      border-color:black;
      text-align: center;
      background-color: white;
    }
    #p1 {position: absolute; top: 10px; left: 60px; z-index: 3}
    #p2 {position: absolute; top: 10px; left: 60px; z-index: 5}
    #p3 {position: absolute; top: 15px; left: 10px; z-index: -1}
    #p4 {position: absolute; top: 10px; left: 110px; z-index: 3}
    #p5 {position: absolute; top: 15px; left: 10px; z-index: 1}
    #p6 {position: absolute; top: 20px; left: 85px; z-index: 3}
    #p7 {position: absolute; top: 20px; left: 35px;}
    #p8 {position: absolute; top: 20px; left: 85px; z-index: 5}

  </style>
</head>
<body>
  <p id = "p1">A</p>
  <p id = "p2">Y</p>
  <p id = "p3">E</p>
  <p id = "p4">T</p>
  <p id = "p5">C</p>
  <p id = "p6">F</p>
  <p id = "p7">R</p>
  <p id = "p8">P</p>

</body>
</html>
```

Problem 10: Given the following html and css code, draw what is created:

```
<head>
  <meta charset = "utf-8">
  <title> An Awesome Web Page </title>
  <style>
    table {border-style: solid; border-color: black; border-width: 2px;}
    td {border-style: solid; border-color: black; border-width: 2px;text-align: center;}

  </style>
</head>
<body>
  <table>
    <tr><td rowspan = "3">boo</td>
      <td rowspan = "2">eek</td>
      <td>ack</td>
      <td rowspan = "2">arg</td>
      <td rowspan = "3">wow</td>
    </tr>
    <tr><td>yikes</td>
    </tr>
    <tr><td colspan = "3">squeek</td>
    </tr>
    <tr><td colspan = "5">chillbumps</td>
    </tr>
  </table>
</body>
```