HTML&CSS
design and build websites

CHAPTER 17
HTML5 LAYOUT

# NEW HTML5 LAYOUT ELEMENTS

```
<body>
 <div id="page">
  <div id="header">
   <div id="nav">

  <div id="content">
   <div class="article">

   <div class="article">

                          <div id=
                          "sidebar">

  <div id="footer">
```
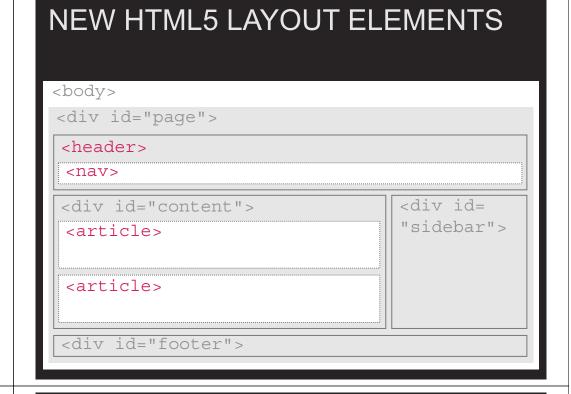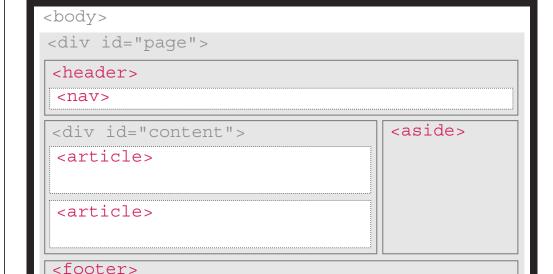
# NEW HTML5 LAYOUT ELEMENTS

```
<body>
 <div id="page">
  <header>
   <div id="nav">

  <div id="content">
   <div class="article">

   <div class="article">

                          <div id=
                          "sidebar">

  <div id="footer">
```

# NEW HTML5 LAYOUT ELEMENTS

```
<body>
  <div id="page">
    <header>
      <nav>
    <div id="content">                <div id=
      <div class="article">            "sidebar">
      <div class="article">
    <div id="footer">
```

# NEW HTML5 LAYOUT ELEMENTS

```
<body>
  <div id="page">
    <header>
      <nav>
    <div id="content">                <div id=
      <article>                        "sidebar">
      <article>
    <div id="footer">
```

# NEW HTML5 LAYOUT ELEMENTS

```
<body>
  <div id="page">
    <header>
      <nav>
    <div id="content">                <aside>
      <article>
      <article>
    <div id="footer">
```

# NEW HTML5 LAYOUT ELEMENTS

```
<body>
  <div id="page">
    <header>
      <nav>
    <div id="content">                <aside>
      <article>
      <article>
    <footer>
```

## HEADER
### <header>

```html
<header>
 <h1>Yoko's Kitchen</h1>
 <nav>
  <ul>
   <li><a href="">home</a></li>
   <li><a href="">classes</a></li>
   <li><a href="">catering</a></li>
   <li><a href="">about</a></li>
   <li><a href="">contact</a></li>
  </ul>
 </nav>
</header>
```

`HTML`

## FOOTER
### <footer>

```html
<footer>
   &copy; 2011 Yoko's Kitchen</footer>
```

`HTML`

## NAVIGATION
### <nav>

```html
<nav>
 <ul>
  <li><a href="">home</a></li>
  <li><a href="">classes</a></li>
  <li><a href="">catering</a></li>
  <li><a href="">about</a></li>
  <li><a href="">contact</a></li>
 </ul>
</nav>
```

`HTML`

## ARTICLES
### <article>

```html
<article>
 <figure>
  <img src="bok-choi.jpg" alt="BokChoi" />
  <figcaption>Bok Choi</figcaption>
 </figure>
<h2>Japanese Vegetarian</h2>
<h3>Five week course in London</h3>
<p>A five week introduction to
   traditional Japanese…</p>
</article>
```

`HTML`

## ASIDE
## <aside>

```html
<aside>
 <section class="popular-recipes">
  <h2>Popular Recipes</h2>
   <a href="">Yakitori (...)</a>
   <a href="">Tsukune (...)</a>
   <a href="">Okonomiyaki (...)</a>
   <a href="">Mizutaki (...)</a>
 </section>
</aside>
```

## SECTIONS
## <section>

```html
<section class="popular-recipes">
 <h2>Popular Recipes</h2>
  <a href="">Yakitori (...)</a>
  <a href="">Tsukune (...)</a>
  <a href="">Okonomiyaki (...)</a>
  <a href="">Mizutaki (...)</a>
</section>
```

## HEADING GROUPS
## <hgroup>

```html
<hgroup>
  <h2>Japanese Vegetarian</h2>
  <h3>Five week course in London</h3>
</hgroup>
```

## FIGURES
## <figure> <figcaption>

```html
<figure>
  <img src="images/bok-choi.jpg"
    alt="Bok Choi" />
  <figcaption>Bok Choi</figcaption>
</figure>
```

## LINKING AROUND BLOCK-LEVEL ELEMENTS

```html
<a href="introduction.html">
  <article>
   <figure>
    <img src="bokchoi.jpg" alt="BokChoi" />
    <figcaption>Bok Choi</figcaption>
   </figure>
   <hgroup>
    <h2>Japanese Vegetarian</h2>
    <h3>Five week course in London</h3>
   </hgroup>
  </article>
</a>
```
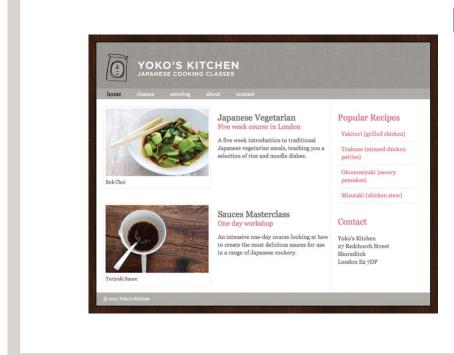
## HELPING OLDER BROWSERS UNDERSTAND

```css
header, section, footer, aside, nav,
article, figure, figcaption {
    display: block;}
```

## HELPING OLDER BROWSERS HTML SHIV

```html
<!--[if lt IE 9]>
  <script
    src="http://html5shiv.googlecode.com/
      /svn/trunk/html5.js">
  </script>
<![endif]-->
```

SUMMARY

The new HTML5 elements indicate the purpose of different parts of a web page and help to describe its structure.

SUMMARY

The new elements provide clearer code (compared with using multiple `<div>` elements).

SUMMARY

Older browsers that do not understand HTML5 elements need to be told which elements are block-level elements.

SUMMARY

To make HTML5 elements work in Internet Explorer 8 (and older versions of IE), extra JavaScript is needed, which is available free from Google.