

Methods Reference	
Returns:	Method:
void	<b>addClass</b> (str   el ref   arr <i>el</i> , str <i>className</i> ) Adds a class name to a given element or collection of elements
obj/array	<b>batch</b> (str   el ref   arr <i>el</i> , fn <i>method</i> , any <i>o</i> , b <i>overrideScope</i> ) Returns the element(s) that have had the supplied method applied. The method will be provided the elements one at a time ( <b>method(el, o)</b> ).
str/array	<b>generateId</b> (str   el ref   arr <i>el</i> , str <i>prefix</i> ) Generates a unique ID for the specified element.
obj/array	<b>get</b> (str   el ref   arr <i>el</i> ) Returns an HTMLElement object or array of objects.
int	<b>getViewportHeight</b> () Returns the height of the client (viewport).
int	<b>getViewportWidth</b> () Returns the width of the client (viewport).
array	<b>getElementsBy</b> (fn <i>method</i> , str <i>tag</i> , str   el ref <i>root</i> ) Returns a array of HTMLElements that pass the test applied by supplied boolean method. For <b>optimized performance</b> , include a <b>tag</b> and/or <b>root node</b> when possible.
array	<b>getElementsByClassName</b> (str <i>className</i> , str <i>tag</i> , str   el ref <i>root</i> ) Returns a array of HTMLElements with the given class. For <b>optimized performance</b> , include a <b>tag</b> and/or <b>root node</b> when possible.
obj	<b>getRegion</b> (str   el ref   arr <i>el</i> ) Returns the region position of the given element.
str/array	<b>getStyle</b> (str   el ref   arr <i>el</i> , str <i>property</i> ) Normalizes <i>currentStyle</i> and <i>ComputedStyle</i> .
int	<b>getX</b> (str   el ref   arr <i>el</i> ) Gets the current X position of the element(s) based on page coordinates.
array	<b>getXY</b> (str   el ref   arr <i>el</i> ) Gets the current position of the element(s) based on page coordinates.
int	<b>getY</b> (str   el ref   arr <i>el</i> ) Gets the current Y position of the element(s) based on page coordinates.
b/array	<b>hasClass</b> (str   el ref   arr <i>el</i> , str <i>className</i> ) Determines whether the element(s) has the given <i>className</i> .

Methods Reference continued	
Returns:	Method:
b/array	<b>inDocument</b> (str   el ref   arr <i>el</i> ) Determines whether the element(s) is present in the current document.
b	<b>isAncestor</b> (el ref <i>haystack</i> , el ref <i>needle</i> ) Determines whether an HTMLElement is an ancestor of another HTMLElement in the DOM hierarchy.
void	<b>removeClass</b> (str   el ref   arr <i>el</i> , str <i>className</i> ) Removes a class name from a given element or collection of elements.
void	<b>replaceClass</b> (str   el ref   arr <i>el</i> , str <i>oldClassName</i> , str <i>newClassName</i> ) Replace a class with another class for a given element or collection of elements.
void	<b>setStyle</b> (str   el ref   arr <i>el</i> , str <i>property</i> , str <i>val</i> ) Wrapper for setting style properties of HTMLElements.
void	<b>setX</b> (str   el ref   arr <i>el</i> , int <i>x</i> ) Set the X position of the element(s) in page coordinates, regardless of how the element is positioned.
void	<b>setXY</b> (str   el ref   arr <i>el</i> , arr <i>pos</i> , b <i>noRetry</i> ) Set the position of the element(s) in page coordinates, regardless of how the element is positioned.
void	<b>setY</b> (str   el ref   arr <i>el</i> , int <i>y</i> ) Set the Y position of the element(s) in page coordinates, regardless of how the element is positioned.

## Solutions

Get all elements to which the CSS class "header" has been applied:

```
headerEls =
    YAHOO.util.Dom.getElementsByClassName("header");
```

Get all elements by attribute:

```
checkTitle = function(el) {
    return (el.getAttribute("title")=="Click here.");}
myEls = YAHOO.util.getElementsBy(checkTitle, "a",
    "yui-main");
```

Set element's opacity using **setStyle**:

```
YAHOO.util.Dom.setStyle(myEl, "opacity", "0.5");
```

## Dependencies

The Dom Collection requires the YAHOO object.

## Useful Dom Methods:

**appendChild()**  
**click()**  
**cloneNode()**  
**contains()**  
**createElement()**  
**createTextNode()**  
**focus()**  
**getAttribute()**  
**getElementById()**  
**getElementsBy**  
     **TagName()**  
**hasAttribute()**  
**hasChildNodes()**  
**insertBefore()**  
**removeAttribute()**  
**removeChild()**  
**replaceChild()**  
**scrollIntoView()**  
**setAttribute()**  
**setInterval()**  
**setTimeout()**

## Dom Node Properties:

**attributes**  
**childNodes**  
**className**  
**disabled**  
**firstChild**  
**id**  
**innerHTML**  
**lastChild**  
**nextSibling**  
**nodeType**  
**nodeName**  
**nodeValue**  
**offsetHeight**  
**offsetWidth**  
**parentNode**  
**previousSibling**  
**tagName**

Note: These are not exhaustive lists.