



Website is W3 Schools homepage (<https://www.w3schools.com/>)

## **Systematic UI design**

- This website has the three core tenets of responsive web design which are fluid grids, flexible media, and CSS media queries - This is why the webpage is able to conform to multiple device sizes as shown above
- On the larger screen, the primary navigation is displayed as a horizontal list but when on mobile, it turns into one menu button that expands the rest of the elements
- Other responsive patterns are present such as moving images, buttons, and input boxes more vertically to better be viewable on a touch-screen device

## **Atoms**

- Labels
  - Sub heading labels for each dropdown button in dropdown list
  - Label above main search field as well as placeholder text in text field itself
  - "HTML Example:" label
- Inputs
  - "Search our tutorials" text field
- Buttons
  - Green search button
  - Log in button
  - "Not Sure Where To Begin?" button with label as button
  - "Learn HTML" button
  - "Try it Yourself" button
- Toggles
  - Dark mode toggle
  - Language toggle
  - Search toggle (opens up a search box text field)
- Dropdown lists and Dropdown buttons
  - Navigation bar for "Tutorials", "References", and "Exercises"
  - Dropdown buttons for each item in dropdown list

These are all atoms because they represent basic HTML elements like inputs, buttons, form labels, etc. These cannot be broken down further as well. Each one also contains its own unique properties such as font size, colour, and spacing between

## **Molecules**

- Search form in middle of page consists of label atom, button atom, and an input atom - Can add text into input atom and button atom submits the entire form
- Each dropdown list in navigation bar is a molecule which consists of multiple button atoms and label atoms for each category
- HTML summary molecule which contains a large label atom, sub label atom, and 3 button atoms all relating to learning HTML
- HTML Example card contains a button atom as well as a label input with an uneditable text field atom - All

## **Organisms**

- All dropdown list molecules contained together along with toggle button atoms make up the navigation bar organism
- Main search bar molecule with heading molecule make up the body organism of the site which contains a background colour with a fluid design statement