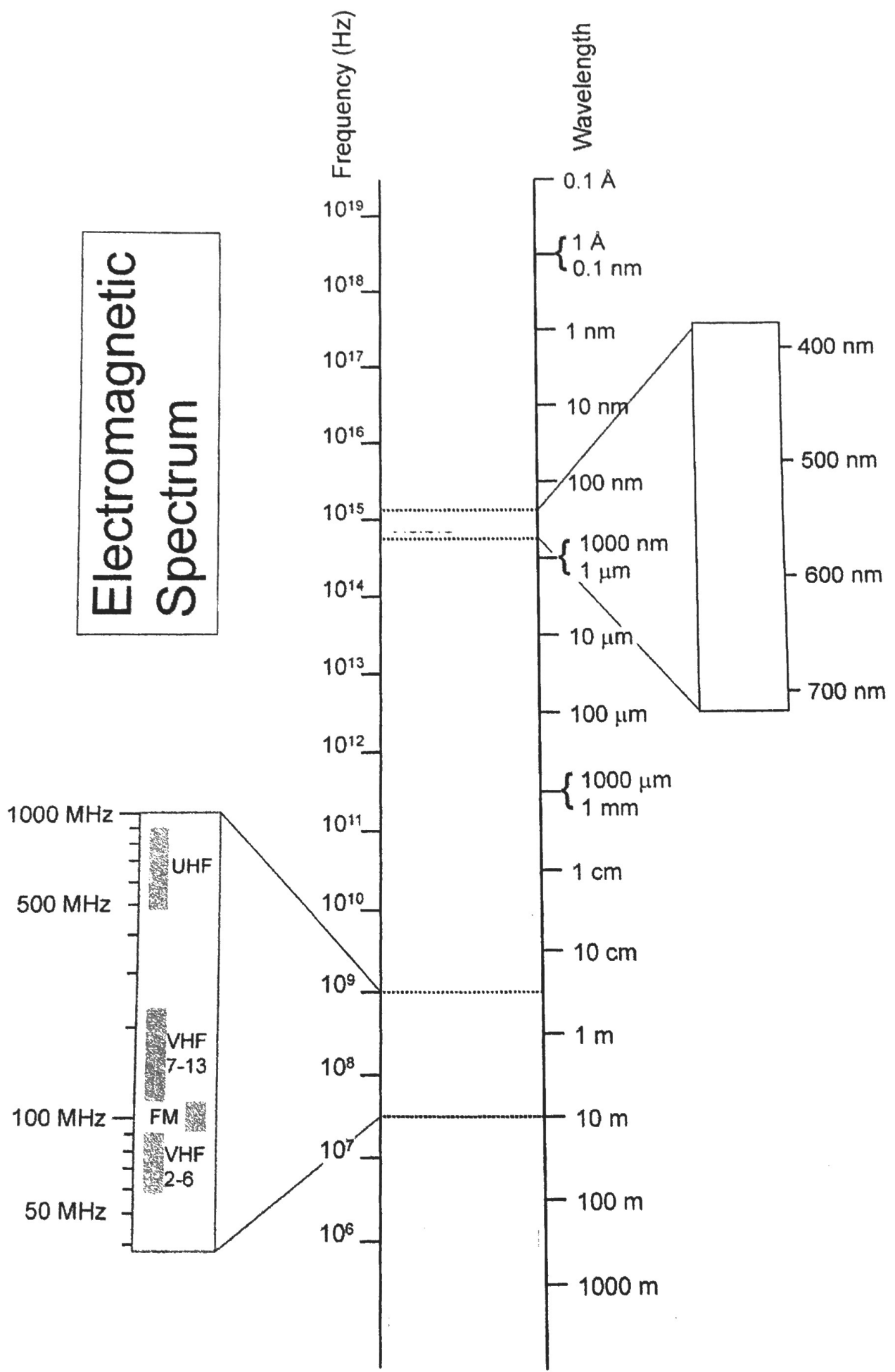


Electromagnetic Spectrum



Electromagnetic Spectrum Drawing

Objective:

Create a drawing representing the electromagnetic spectrum.

Directions:

You will use a correct representation of the EM spectrum to create your own spectrum. You must include all parts of the electromagnetic spectrum (waves, frequency, wavelength, and a "comparison" – see the example in your book).

- All parts of the Electromagnetic Spectrum are included
 - Block out the regions of all types of radiation
 - Label the regions of all types of radiation
- Be sure when you include the "visual" portion of the spectrum that you break that down into the component colors (ROYGBIV)
 - Block out the region where the visible range is found
 - You must use color (use the colored pencils)

Regions to include:

| Region | Wavelength |
|-------------|-------------------|
| Gamma Rays | 0.1 A and shorter |
| X-rays | 10 nm to 0.01 nm |
| Ultraviolet | 400 nm to 10 nm |
| Visible | 380 to 750 nm |
| Violet | 380–420 nm |
| Indigo | 420–450 nm |
| Blue | 450–495 nm |
| Green | 495–570 nm |
| Yellow | 570–590 nm |
| Orange | 590–620 nm |
| Red | 620–750 nm |
| Infra-red | 750 nm to 1 mm |
| Microwaves | 1 mm to 30 cm |
| Radio/TV | 30 cm to 10 m |
| Long-waves | 10m and longer |