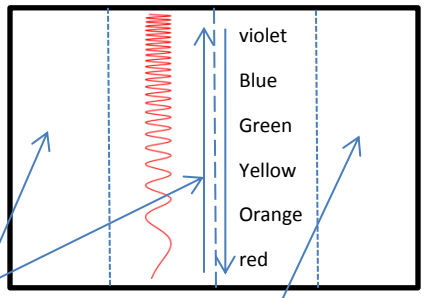
Waves FOLDable

1. To make the base of your foldable, turn your paper landscape. Find the center. Then fold both flaps toward the center.

It should look like this.

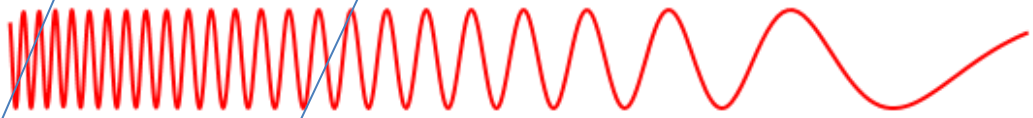


Center

Fold

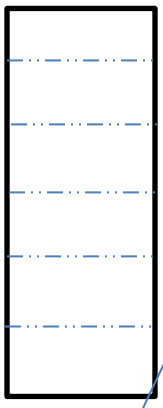
Cut

1. In the center of the foldable on the left side, you will draw a wave of the electromagnetic spectrum. Then draw arrows to show increasing energy and increasing wavelength.



On the right side, you will draw and color the corresponding colors of visible light.
Violet, Blue, Green, Yellow, Orange, Red (starting with Violet at the top and ending with Red)

2. On the left side, you will take another full piece of paper and fold it the long way (hotdog). Cut the front side into 6 flaps to the fold. The outside flaps will be labeled with: **Gamma Rays**, **X-Rays**, **Ultraviolet Waves**, **Visible Light**, **Infrared** and **Radio/Microwaves**. Under the cut flap (left side of paper), you will write 2 facts about each type of wave (where it's used, what it's used for, etc.) On the right side, you will draw a picture of one of those facts.



Gamma Rays

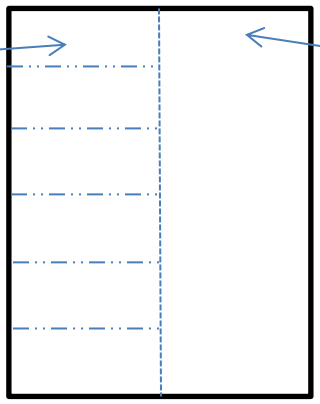
X-Rays

Ultraviolet Waves

Visible Light

Infrared Rays

Radio/Microwaves



Left inside flaps = examples of each type of wave and what they are used for.

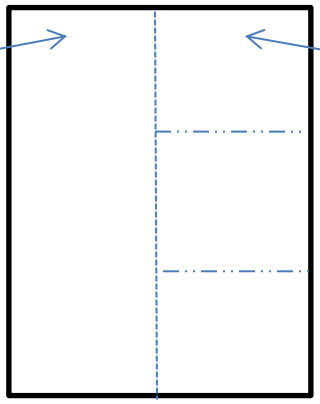
Right inside = pictures of each type of wave and what they are used for.

3. On the right side, you will take another full piece of paper and fold it the long way (hotdog). Cut the front side into 3 flaps to the fold. The outside flaps will be labeled with: **Mechanical Waves**, **Electromagnetic Waves** and **Sound Waves**. Under the cut flap (right side of paper), you will write 2-3 facts about each type of wave. On the left side, you will draw a picture of each type of wave.

Mechanical Waves

Electromagnetic Waves

Sound Waves



Left inside = pictures of each type of wave and what they are used for.

Right inside flaps = 2-3 facts about each type of wave and what they are used for.