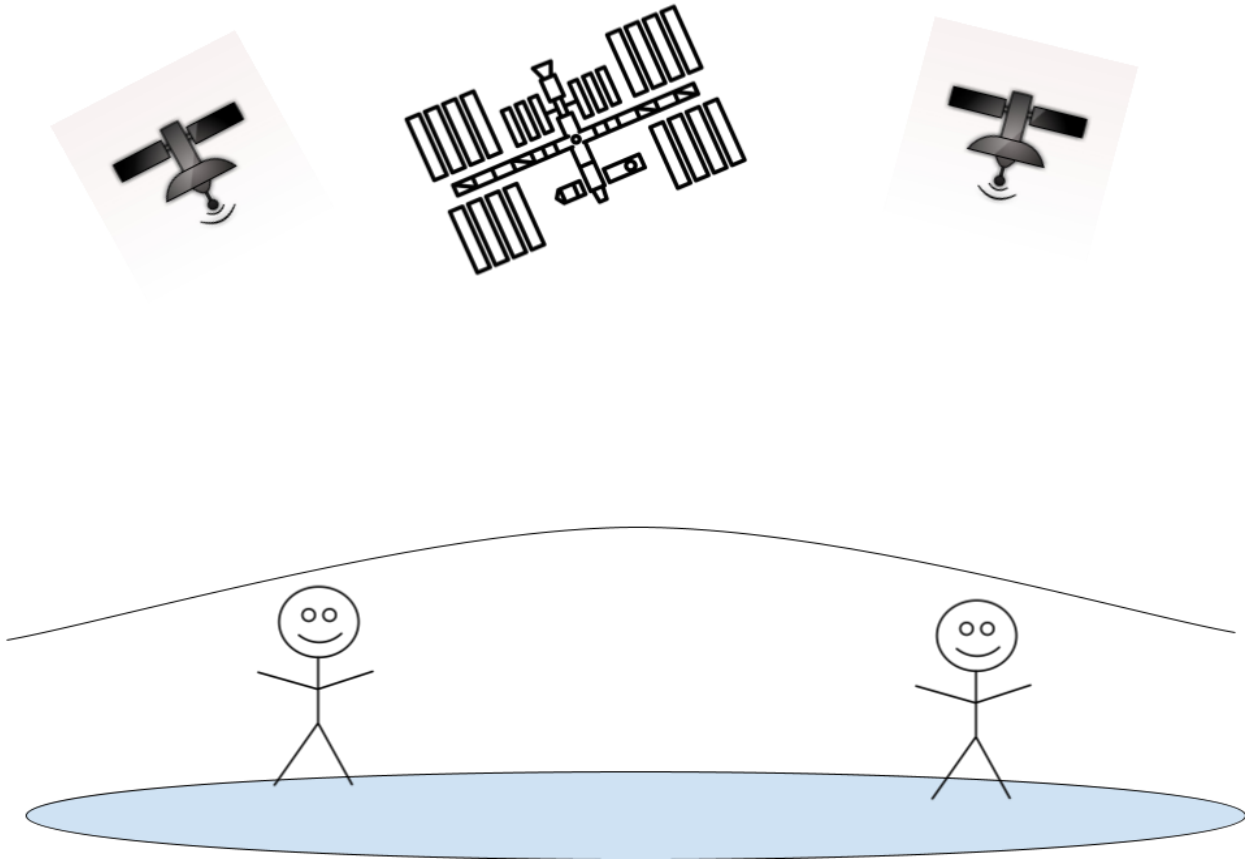


Waves Within Space



Traveling Medium	Type of information carried	Frequency of wave in Hz (Hertz)	Length of wavelength	color
Sound wave - speed of sound	Sound- lowest tones	20 Hz	17 meters	red
Sound wave - speed of sound	Sound- highest tones	20,000 Hz	1.7 centimeters	blue
Radio wave - speed of light	Voice (radio- ARISS)	145,800,000 Hz	2 meters	green
Radio wave - speed of light	Voice & video on S-band (NASA/satellites)	2,200,000,000 Hz	13.6 centimeters	orange
Radio wave - speed of light	Voice & video on Ku-band (NASA/satellites)	1,500,000,000,000 Hz	2 centimeters	purple

