**GUIDED NOTES – WAVES PPT**

List all the waves you can think of.  
-  
-  
-  
-  
What do waves transfer?  
  
In the picture on the PowerPoint, what is happening to the gravitational potential energy of the drop?

Transverse   
The motion of the medium is at \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ to the direction in which a wave travels  
Stretched strings of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, electromagnetic waves, \_\_\_\_\_\_\_\_\_\_\_\_ in earthquakes

Longitudinal  
The particles of the medium move back and forth in the \_\_\_\_\_\_\_\_\_ direction in which the wave travels  
\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_, P-waves in earthquakes

What type of wave is an ocean wave?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – Number of cycles per unit of time (s), measured in Hz  
Frequency = 1/\_\_\_\_\_\_\_\_\_\_\_\_  
 Period = 1/\_\_\_\_\_\_\_\_\_\_\_  
Hz – One \_\_\_\_\_\_\_\_\_\_ per second  
Wave Speed = \_\_\_\_\_\_\_\_\_\_\_\_\_\* frequency  
ν=λf

\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ depends on the medium through which the wave moves  
  
\_\_\_\_\_\_\_\_\_\_ = Rate \* Time (D=RT)

\_\_\_\_\_\_\_\_\_\_ = Distance / Time (R=D/T)

We are constantly interacting with \_\_\_\_\_\_\_\_\_\_

Waves carry \_\_\_\_\_\_\_\_\_\_

Light and S-waves are examples of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ waves.

Sound and P-waves are examples of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ waves.