Unit 6

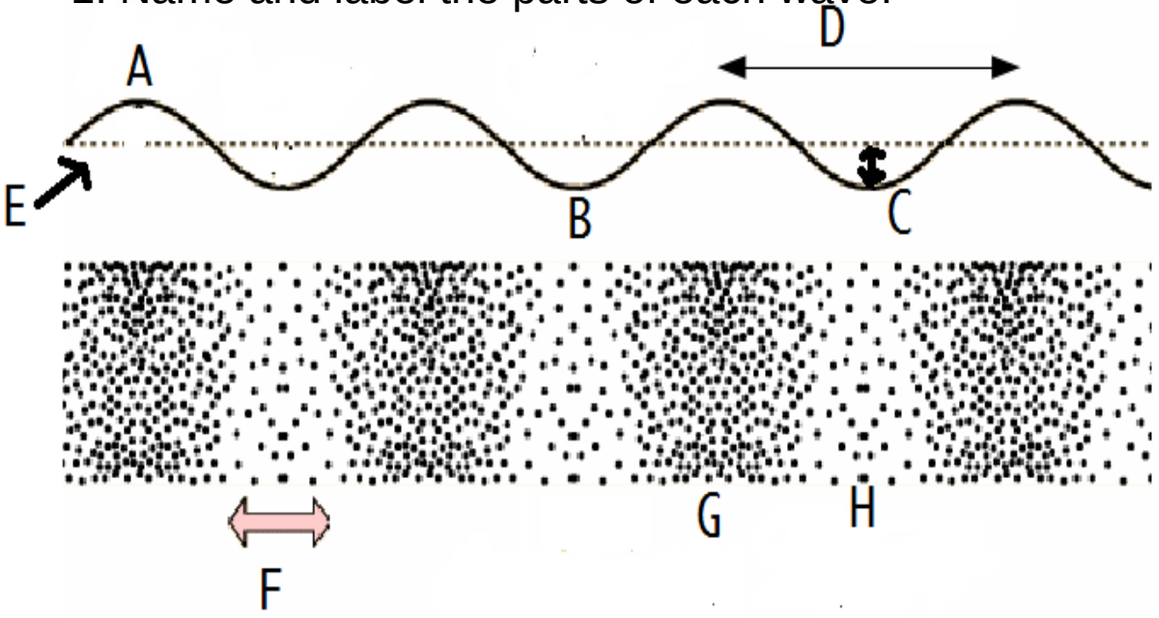
Waves

Review Brochure

Name:_____

- **Transverse and Longitudinal Waves**

1. Name and label the parts of each wave:



2. What do both types of waves transfer? What do they not transfer?

3. Describe the motion of the medium and energy in each type of wave.

4. What is an example of each type of wave?

Interference and The Doppler Effect

1.

2. Complete the mini-tree map below:

3.

Item	Ambulance Moves Towards you	Ambulance moves Away from you
Wavelength		
Energy		
Frequency		
Period		

• Bow Waves and Shock Waves

1. Complete the following questions:

a. What is a Bow Wave and what conditions cause it to occur?

b. What is a Shock Wave and what conditions cause it to occur?

2. Create a double bubble map below:

• The Electromagnetic Spectrum

- 1. List the 7 different types of EM waves in order from longest wavelength to shortest wavelength and write at least one fact about each.
- 2. Draw and Label a high energy, short wavelength EM wave. Describe its frequency.
- 3. Draw and Label a low energy, long wavelength EM wave. Describe its frequency.
- 4. Explain why EM waves from stars can travel through space and why sound cannot travel through space.